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CHILDREN OF THE NLSY

1988 Tabulations & Summary Discussion

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Introduction

This document describes the child assessment data collected in the 1988 tenth wave of the National Longitudinal Survey of Youth (NLSY). These materials should be of interest not only to current and prospective users of the NLSY child data, but also of general value to researchers who wish to explore the extent to which a variety of psychometric batteries appropriately describe a population of children who have been born to a nationally representative sample of women who were 23 to 30 years of age on January 1, 1988. This report includes five sets of tables. The first two sets describe the characteristics of the sample of children and mothers included in the NLSY sample. The third set details for each assessment the distribution of scores as well as completion rates for each assessment. The fourth and fifth sets provide zero order correlations between assessment scores and subscores in 1988 as well as selected cross-year correlations between 1986 and 1988 assessment scores.

NLSY child assessment data users should use these materials in conjunction with the *1988 Child Assessment Data Users' Guide*, the *NLSY Child Handbook 1989* and the relevant 1988 child interview schedule. The *NLSY Child Handbook 1989* (hereafter termed "Baker and Mott 1989") provides extensive tabular materials for the 1986 child assessment data as well as a more detailed description of each assessment and related information about the various data available more generally in the NLSY. These materials are available from the NLS Public Users' Office, Center for Human Resource Research.

The textual material included in this document will not duplicate the materials included in the *1988 Child Assessment Data Users' Guide* (hereafter termed "1988 Users' Guide"). This report will briefly describe these data, particularly emphasizing how the results for the NLSY sample may differ from other populations. It will also suggest reasons for any apparent anomalies in the data and present cautionary caveats. The within and cross-year correlations undoubtedly have some significant analytical value in their own light. However, the principal reasons for their inclusion here are to clarify issues of reliability and face validity. As will be seen, there is considerable variability in the correlations both within and across years and within and across assessments. In a number of instances, cross-assessment correlations will provide strong presumptive evidence regarding the face validity of several of the assessments.

The National Longitudinal Survey of Youth

The NLSY originally included 12,686 men and women in the civilian and military population who were 14 to 21 years of age on January 1, 1979. Interviews with this cohort

have been completed each year between 1979 and 1990. Following the 1984 survey round, the military component, which originally consisted of 1,280 respondents, was deleted from the sample (although 201 of the original military sample were retained in order to assure a complete representativeness for the civilian population as of the 1988 survey point). In the 1988 survey round, interviews were completed with 10,465 respondents--90.2 percent of those eligible to be interviewed. As of the 1988 survey round, which mostly took place during the second half of 1988, NLSY respondents were between 23 and 31 years of age. The sample includes an over-representation of black, Hispanic and economically disadvantaged whites in order to permit statistically meaningful analyses of separate racial, ethnic and socio-economic groups.

Over the years, NLSY interviews have gathered a massive amount of information about the education, training, family, employment and related behaviors/attitudes and attributes of the respondents and their families. Principal support for the data collection has come from the U.S. Department of Labor with substantial assistance also provided by a variety of other federal government agencies including the Department of Defense, the National Institutes of Health, the National Institute on Drug Abuse, the National Institute on Alcohol Abuse and Alcoholism and the Department of Health and Human Services. These data have been collected by NORC of the University of Chicago and the specific data collection reported on here has been funded by the National Institute of Child Health and Human Development of the National Institutes of Health. A more detailed description of the NLSY may be found in the *NLS Handbook 1990* which is available from the Center for Human Resource Research (CHRR) of The Ohio State University.

Approximately half of the respondents in the NLSY cohort are female. Of the original 5,828 civilian women interviewed in 1979, fully 5,299 or about 91 percent were still being interviewed in 1988 (See Table 1.1). Since that date the 1989 and 1990 interviews have been completed, and much of the assessment material to be described in this report was collected once again in 1990.

The Mother and Child Sample

As may also be noted from Table 1.1, as of the 1988 interview, over sixty percent of this cohort of women--3,336 of 5,299--had become mothers. And these 3,336 mothers had borne 6,540 children, almost two children per mother. It may also be noted that there were large numbers of white, black and Hispanic mothers and children in the data set by 1988. It is

these children who are the focus of this report. Appropriate weights are available which permit one to redistribute the sample of children such that they may be defined as "all children born to a nationally representative sample of women who were 23 to 30 years of age on January 1, 1988." Of the 6,540 children available to be tested, over 95 percent or 6,225 either completed or else had at least one assessment completed for them.

The first set of tables in this report, those numbered 1.1 through 1.10 provide basic demographic information about the child sample and, to a lesser extent, the sample of mothers. Highlights from these tables will be noted in this abbreviated text. Readers should note that many of the tables included in this report are not cited specifically in the text; the full set of tables are included to maximally provide the possibility for researchers with diverse interests to consider the utility of the NLSY data for their specific orientation.

Assessment information is now available for two points in time, 1986 and 1988. Thus, children who had already been born as of the 1986 survey had the opportunity to complete age-appropriate assessments at two points. From a research perspective, it will now be possible to measure changes (in particular assessment scores) in relationship to changes in various attributes and behaviors of the child and his/her family. Table 1.2 provides sample sizes by single year of age of child in 1988 and race/ethnicity for children "interviewed" (assessed) in 1986 and/or 1988. It may be seen that about 4,700 children were assessed at both points in time and that most of the remaining children are those who were born after the 1986 survey point. It may also be noted that there are relatively large samples of black, white and Hispanic children who were interviewed in 1986 and 1988 and that, for each separate race/ethnic group, sample sizes for all child ages between 3 and 10 are substantial. Table 1.2 will help researchers ascertain the extent to which there would be enough children available to research topics utilizing a specific age-constrained assessment.

Tables 1.3 though 1.5 define the child sample by single year of age in 1988, age of mother at the birth of the child and the child's year of birth. In addition to providing the detailed age estimates necessary for defining one's sample, these tables highlight the primary sample constraint of the NLSY child sample. Since the sample of mothers in 1988 is between the ages of 23 and 30, the sample still over-represents younger mothers. In particular, most of the older children in the sample will have been born to adolescent or young adult mothers. This issue is discussed more thoroughly in the *1988 Users' Guide*. Of course, with each additional survey round, this becomes a less severe problem as the age distribution of both mothers and children becomes more fully representative of all women and children.

Tables 1.6 through 1.9 permit one to clarify further the implications of this sample censoring issue. It may be seen from Tables 1.6 and 1.7 that the older children in the sample, who have been born to younger mothers, are more likely to have minority mothers and less educated mothers. Table 1.9 defines this sample constraint more precisely by providing single year of (child) age information by race/ethnicity, the mother's mean age at birth and, for each racial/ethnic group, the percent of mothers who have completed less than twelve years of schooling. Of course, to a considerable extent, multivariate analytical techniques can be used to remove the effects of socio-economic differentials by age of child in research which includes children across a spectrum of ages.

Table 1.10 shifts gears and focuses on a different issue, the extent to which NLSY mothers may have several children included in the sample. As may be seen, by 1988 not only are a large proportion of all NLSY women mothers but in addition, a large majority of the mothers have more than one child. Indeed, there are about 1,300 mothers with two children who have been assessed and about 780 women with three or more children. Not only are there large numbers of multiple-child households for each racial-ethnic group but there are substantial numbers of families where the children are widely dispersed in age. For these reasons, the NLSY perhaps represents the best available data set for examining within-family variations in child development as linked to a full range of prior maternal and family attributes, attitudes and behaviors.

Child Assessments: Sample Sizes and Completion Rates

The NLSY data collection effort included a substantial battery of assessment information about the children of the female respondents who were interviewed in the 1986 and 1988 survey rounds. Data collected in these child assessments are available from the Center for Human Resource Research on the 1988 Merged Child-Mother File. Included are summary scores, several subscores for the assessments, and where available, nationally normed percentile and standard scores.

Table 2.1 lists all of the assessments included in the 1986 and 1988 rounds of the NLSY. The ages specified in parentheses in items one and two indicate which children received an assessment in 1986. Essentially, all children who were age-eligible to receive an assessment in 1986 received that test. However, reflecting budget constraints, all of the age-eligible children did not repeat all of the assessments in 1988. Specifically, the assessments listed under item one in Table 2.1 were repeated for all age-eligible children in 1988. However, the assessments

listed under item 2 were completed by a more constrained universe. As in 1986, children age-eligible for Memory for Location, Verbal Memory, Digit Span and PPVT for the first time (or who were age-eligible in 1986 but did not receive a score at that time) completed the assessment. However, children who had completed these four assessments in 1986 did not repeat them in 1988 with the exception of ten and eleven year olds, who repeated the PPVT and Digit Span even if they had previously taken these assessments. Ten and eleven year olds will continue to complete all assessments for which they are age-eligible thus providing an index group of children who will ultimately (after a number of additional survey rounds) represent a large more fully representative sample of early adolescent youth for analysis.

Thirteen assessments were administered during 1986 and 1988 to selected subjects of appropriate age in the household. Interviewer observations of the home environment and testing conditions as well as mother reports on each child's health and background complement these assessments. More detailed descriptions of each child assessment can be found in the *NLSY Child Handbook* (Baker and Mott 1989).

Home Observation for Measurement of the Environment (HOME). This set of scales measures the nature and quality of the child's developmental environment. Some of the items are maternal self-reports, while others are interviewer observations. There are four versions: for infants (birth to two years); preschool children (three years-five years); and younger elementary-aged (six years-nine years) and older (age ten and older) children. The instrument yields: a total score reflecting the quality of the home environment and mother-child relationship; two general indicators of emotional support and cognitive stimulation; and measures of several processes of the home environment. The infant version consists of six categories: maternal emotional and verbal responsivity; maternal acceptance of, and involvement with her child; materials for learning; organization of the environment; and variety of stimulation. The non-infant versions tap the same dimensions and, in addition, provide a measure of parental modeling of maturity.

Body Parts. This scale measures the preschooler's (aged one to two years) oral verbal knowledge or vocabulary. For each of ten body parts, the interviewer asks the child to point to that part of his or her body.

Peabody Picture Vocabulary Test - Revised (PPVT-R). This test measures the child's hearing vocabulary of Standard American English. The interviewer says a word and the child, aged three years or older, points to one of four pictures which best portrays the

meaning of the word. The difficulty level of the words increases as the child goes through the test.

Memory for Location. This test measures the child's short-term memory. The child, aged eight months to three years, 11 months, watches as a figure is placed under one of two to six cups. The cups are screened from view for zero to 15 seconds; the child then selects the cup hiding the figure. Items have increasing levels of difficulty due to the increased number of alternative cups and/or the increased length of time during which the cups are hidden from view.

McCarthy Scale of Children's Abilities: Verbal Memory Subscale. This assessment of short-term verbal memory consists of two parts. First, the child, aged from three years to six years, 11 months, repeats words or sentences said by the interviewer. Second, the child listens to and then retells the essential aspects of a short story. This measures the child's ability to remember verbal material over a short time span.

Wechsler Intelligence Scale for Children-Revised: Digit Span Subscale. There are two parts to this measure of short-term memory for children aged seven and older. First, the child listens to and repeats a sequence of numbers said by the interviewer. In the second part, the child listens to a sequence of numbers and repeats it in reverse order. In both parts, the length of the sequence of numbers increases as the child responds correctly.

Peabody Individual Achievement Test (PIAT): Math Subscale. This subtest measures ability in mathematics as taught in mainstream education. It consists of 84 multiple-choice items, each with four options, and increasing in difficulty. It begins with such early skills as recognizing numerals and progresses to measuring advanced concepts in geometry and trigonometry. The child, aged five and older, looks at a problem and then points to the answer.

Peabody Individual Achievement Test (PIAT): Reading Recognition Subscale. This subtest measures ability in oral reading. It contains 84 items, each with four options, which range in difficulty from preschool to high school levels. Skills assessed include matching letters, naming letters, and reading single words aloud. Children aged five years old and older read a word silently and then say it out loud.

Peabody Individual Achievement Test (PIAT): Reading Comprehension Subscale. This subtest measures the ability to derive meaning from printed words that are read silently. For each of the 66 items of increasing difficulty, the five year or older child silently reads

a sentence once and then selects one of four pictures which best portrays the meaning of the sentence.

Temperament. This set of maternal-report scales measures the temperament or behavioral style of children under age seven. 'How my infant usually acts' addresses the activity, predictability, fearfulness, positive affect, and irritability of the zero-11 month old child. 'How my toddler usually acts' addresses the fearfulness, positive affect, and irritability of the 12-23 month old child. 'How my child usually acts' measures the compliance, affect, attachment, and sleep problems of children aged two years to six years, 11 months. For all children, the interviewer also rates the child's shyness at first meeting, shyness at end of session, cooperation with assessment, interest and motivation during assessment, persistence during assessment, and attitude about and rapport with the interviewer during the assessment.

Behavior Problems Index. This is a rating scale completed by the child's mother concerning six areas of problem behavior of children aged four years and older. The three-choice items rate the child's antisocial, anxious/depressed, hyperactive, stubborn/parental conflicting, immature/dependent, and social withdrawing/peer conflicting behavior.

Perceived Competence Scale for Children/Self-Perception Profile. This self-report magnitude estimation scale measures the child's perceived competence in the academic skill domain and the child's sense of general self-worth. Children aged eight years and older answer the questions in these two domains by first selecting one of two alternatives describing how they usually act, and then by indicating how true that alternative is of themselves.

Motor and Social Development. This scale measures developmental milestones in the areas of motor, cognitive, communication, and social development. One overall developmental score covers the ages from birth to 3 years, 11 months. The items are age-graded.

Before providing detailed tabulations about each child assessment, we provide in Tables 2.2 and 2.3 summary estimates of the numbers who completed each assessment in 1988 as well as completion rates for each assessment and some approximate estimate of biases which may be associated with non-completion. Parallel completion rates for 1986 are available in Baker and Mott (1989).

Table 2.2 provides estimates of the number of children available to complete each assessment in 1988 and the completion rate for each assessment. As can be seen, the number of children undertaking and completing each assessment is quite substantial. Especially noteworthy is the number of black, white and Hispanic children available for separate racial/ethnic analysis. This latter factor is of particular importance for those assessments where there are major differences in outcome by race or, more importantly, where the linkages between critical explanatory inputs and assessment outcomes vary by race/ethnicity. It may also be noted from Table 2.2 that, for the most part, the percent of children receiving valid scores is quite high, typically over 90 percent. Racial variations in completion rates are generally modest.

Table 2.3 indicates for each assessment the distribution of valid and invalid responses by race/ethnicity. With some exceptions, it may be concluded that Hispanics are over-represented among the invalid or incomplete subsample, undoubtedly reflecting the greater language difficulties faced by this group. Potential biases linked with this lower completion rate should be carefully considered by researchers carrying out racial/ethnic comparisons with these data. Many of the detailed tabulations which follow will permit researchers to partially clarify potential biases due to differential response rates. In addition, comprehensive tabulations based on the 1986 child assessment material in Baker and Mott (1989) provide additional detail about variations in completion rates by a variety of characteristics.

Distribution of Scores, Completion Rates and Related Reliability/Validity Issues

Tables 3.1 through 3.13.9 provide frequency distributions (numbers and percents) for all of the assessments included in the 1988 survey round. All of the tabulations included here were derived from assessment information included in the 1988 NLSY child data release. The actual variable reference numbers are listed in Table 3.0. We include sample case distributions of raw scores and normed standard scores for all the assessments to help interested users in determining whether overall sample sizes as well as sample sizes by age of child and race/ethnicity are sufficient to meet their analytical needs. We also provide weighted normed standard and percentile score distributions, where available, to aid prospective users in making preliminary judgments regarding the appropriateness of the assessment data. Where national norms are available, the standard and percentile scores were normed against appropriate representative national populations. In several instances, where national norms are not available, internal norms which normed each child against age-appropriate NLSY

samples were used. Also, note that weighted and unweighted standard score estimates are provided for most assessments. The weighted distributions are adjusted for the over-representation of black, Hispanic and economically disadvantaged white children in the sample as well as for child attrition since 1979. The weighted statistics should accurately represent scores for children of the specified ages who have been born to a national sample of women 23 to 30 years of age on January 1, 1988.

Tables 4.1 through 4.13 include selected inter-correlations between child assessment scores and subscores in 1988 and Tables 5.1 through 5.17 provide selected cross-year 1986-1988 correlations between and within assessments. These correlations may assist potential users in making judgments about which of the assessments evidence greater or lesser stability over time. Additionally, they may provide important insights into the extent to which different assessments may be measuring similar traits or in a longitudinal context, enhance one's ability to judge a particular instrument's face validity. The reader is reminded that more detailed descriptions of these assessments may be found in Baker and Mott (1989) and additional user information may be found in the *1988 Users' Guide*.

A. Child Assessments Administered Directly to the Children

Body Parts

All one and two year old children in 1988 were eligible to complete this assessment. As no appropriate national norms are available, the standard and percentile scores in Tables 3.1.2 through 3.1.4 are internally normed against all age appropriate children in the NLSY sample. While the apparent overall completion rate is quite high, the reader should be aware that this assessment probably is most suspect in terms of quality. This quality ambiguity largely reflects the fact that for many younger children there was considerable uncertainty in differentiating between incorrect and non-responses. This is clarified further in the *1988 Users' Guide* and mechanisms are available for limiting one's research sample to those children where the testing response was unambiguous. It may be noted for this assessment that substantial differences in scores exist between white and minority children and that completion rates are slightly lower for Hispanic children. Scoring on this assessment could be particularly sensitive to the interviewing environment and the quality of child-interviewer interaction.

Table 4.1 provides correlations by single year of age between the 1988 Body Parts percentile score and several other assessments completed by children the same age. It may be

seen that the correlations between Body Parts and the HOME emotional support and cognitive stimulation, the Motor and Social Development and Memory for Location scales, while modest, nonetheless suggest possible theoretical linkages between the domains defined by the various scales. However, Table 5.1.1 suggests that cross-year correlations between 1986 Body Parts scores and selected 1988 scores are lower; indeed, correlations with 1988 Verbal Memory scores for those children completing both assessments were very low and correlations with 1988 PPVT scores just attained .2.

Memory for Location

The Memory for Location Assessment was administered to all one and two year olds as well as three year olds who had not completed the assessment in 1986.

Tables 3.2.1 and 3.2.2 provide sample sizes by age and ethnicity for Memory for Location raw scores and standard scores; Tables 3.2.3 and 3.2.4 include weighted percentile and standard score percentage distributions. As with Body Parts, this assessment was internally normed. This assessment had the lowest completion rate of any assessment, largely reflecting the failure of a large number of younger children, those under 2, to complete the requisite items. The complexity of administration of this assessment perhaps had an effect on the willingness of the youngest children to become involved in the interviewing situation. In addition, because of the relative complexity of administration, a number of responses were not coded precisely according to the theoretical decision rules. Procedures are available for limiting one's sample to those cases where one can be assured of maximum precision in scoring. This is discussed further in the *1988 Users' Guide* and in Baker and Mott (1989).

It may be seen from Tables 3.2.3 and 3.2.4 that racial/ethnic variations in scores on this assessment are modest. Also, the normed scores for three year olds on this internally normed test are significantly higher than for one or two year olds reflecting the fact that a disproportionate number of the oldest children "topped out" and received a maximum raw score of ten. This partly reflects the fact that only three year olds who had not completed this assessment in 1986 took the test in 1988--and these tended to be the older three year olds.

Table 4.2 provides correlations between 1988 Memory for Location percentile scores and scores on selected other 1988 assessments completed by the same children. It may be noted that for the most part these cross-assessment correlations are quite low. Similarly, the cross-year correlations between 1986 Memory for Location scores and 1988 Verbal Memory and PPVT scores are also modest.

Verbal Memory

The Verbal Memory assessment was administered to all three and four year olds as well as five and six year olds who had not completed the assessments in 1986. The three and four year old sample may be considered as fully representative of NLSY children in that age range. However, the five and six year olds, by virtue of the fact that they disproportionately include children who for various reasons could not be administered the assessment in 1986 may be less representative of children their age. This may help explain the lower mean score and larger standard deviation for those older children completing Part C of the assessment.

Tables 3.3.1 through 3.3.8 provide sample cases for the raw scores and standard scores as well as weighted percentile and standard score distributions for Parts A + B and Part C of the Verbal Memory assessment. Overall completion rates for this assessment are reasonably high, about 91 percent for Parts A + B and 88 percent for Part C. Regarding Part C, the reader should be aware of the fact that all youth who completed Parts A + B with a raw score of less than eight are assigned a score of zero on Part C, the "story" part of the assessment. This "heeping" on zero leads to an uneven distribution of raw scores on this assessment. However, the fact that the percentile/standard scores assigned to the various raw scores vary by the age of the child helps to smooth the normed responses somewhat. The normed percentile and standard scores have been normed against age-appropriate national samples of children. It is for this reason that the overall sample of NLSY children have a mean score below the national norm (e.g., on Part A + B percentile, our sample has a mean score of 44 compared with 50 for all U. S. children at these ages). It should be recalled that the NLSY sample disproportionately includes women who had children at younger ages and thus over-represents less educated women who would tend to have children scoring below average on achievement-oriented assessments.

As with several of the assessments where language skills play a large role, Hispanics scored well below black and other white youth on this assessment. In addition, there is some evidence that the youngest children in our sample had the highest normed scores, reflecting the fact that on average they came from educationally more advantaged families (see Table 1.9).

As may be seen from Table 4.3, Verbal Memory (A + B and C) correlates moderately strongly, generally in the .3 to .4 range, with P.P.V.T. scores, another assessment with a strong verbal component. It also shows modest correlations (.2 to .3) for four year olds with the HOME cognitive stimulation and emotional support assessments. Finally, from the perspective of longer term validity, it is of some importance to note (from Table 5.12) that cross-year

correlations between Verbal Memory (Parts A + B) scores in 1986 and 1988 Digit Span scores are quite strong (about .45), suggesting some significant common dimensions to these two assessments. Also, 1986 Verbal Memory (A + B) scores correlate moderately well (about .3) with 1988 PIAT Reading Recognition and Reading Comprehension scores (Table 5.13). Generally, linkages between Verbal Memory Part C and the various other assessments were much more modest.

SPPC: Self-Worth and Scholastic Competence

This self-perception profile is completed by all children age eight and over in the survey. There are no appropriate national norms available so only raw scores are provided. There is no overall SPPC score, only two subscores, one measuring dimensions of self-worth and the other scholastic competence. This self-completed (by the respondent's child) assessment has a very high completion rate, about 95 percent. Sample case and percent distributions for the raw scores are found in Tables 3.4.1 through 3.4.4.

Table 4.4 includes 1988 correlations between the two SPPC subscale and a full range of assessments completed by children age eight and over. For the most part, correlations between the global scholastic scale and the various assessments for children below the age of ten are very weak, typically not significant. For children ten and under, modest correlations are found with the various Peabody assessments and significant inverse associations are found with the Behavior Problems Index. Correlations between the global self-worth scales and the various assessments are generally modest but significant at all ages, with signs in the expected directions.

In general, the reported reliabilities for the NLSY administration of these two subscales were somewhat lower than those reported in Harter (1985)[1]. She reports internal consistency reliabilities for the two subscales on various samples at around .8 whereas the NLSY data yielded alphas of .68 for both the global self-worth subscale and the scholastic competence subscale (Table 4.14). Comparable Cronbach alpha coefficients had been reported in 1986. How much these differences reflect significant differences between Harter and NLSY samples (e.g., the NLSY sample includes a heavy over-representation of disadvantaged youth) cannot be assessed at this time.

1. Harter, Susan. Manual for the Self-Perception Profile for Children. University of Denver.

SPPC scores show modest stability over time, with the 1986-1988 cross-year correlations (in Table 5.14) for the same subscores generally in the .3 to .4 range. This is consistent with the notions that personal feelings about self-worth and competence are certainly subject to change depending on a child's personal environment and success or failure at different life cycle points.

Memory for Digit Span

The Digit Span assessment, a component of the Wechsler battery, was completed by all 7, 8, 10 and 11 year old children as well as other children age seven and over who had not completed the assessment in 1986. This assessment generates three non-normed (total, forward and backwards) "raw" scores and one overall age-appropriate (nationally) normed (standard) score. Whereas the normed scores for the other assessments in this instrument are based on a mean of 100 and a standard deviation of 15, the Digit Span assessment is normed against a distribution which has a mean of ten and a standard deviation of three. There are no appropriate national norms available for the forward and backward subscores. Relevant raw and normed scores may be found in Tables 3.5.1 through 3.5.7. Completion rates for the overall score and these two subscores are about 90 percent, with modest racial/ethnic variations. The overall standard scores also show modest racial/ethnic variations with white youth generally scoring the highest, black youth intermediate and Hispanic youth the lowest.

An examination of the "raw" (nonstandardized) forward and backward component scores reveals that, not surprisingly, forward scores for all groups are substantially higher than the backwards scores. It is of some interest to note, however, that the racial and socio-economic differentials noted for the overall Digit Span score reflect primarily differences in the forward component; differences between groups in the backward score are quite modest, suggesting that the two subscores may at least partially be tapping different dimensions of this particular innate and socially acquired skill.

Table 4.5 provides within-year cross-assessment correlations between the overall Digit Span scores and selected other assessments. The correlations between Digit Span and the various Peabody assessments are generally quite strong, particularly for seven year olds. Modest correlations may be noted with the HOME cognitive stimulation scale and less strong associations with HOME emotional support and Behavior Problems (the latter, of course, being inverse associations).

Table 5.15 suggests the considerable longer-term utility of this abbreviated easy-to-administer scale. There are rather significant cross-year correlations between the 1986 Digit Span assessment and 1988 PIAT and PPVT scores. The backwards Digit Span assessment appears to show substantially stronger linkages than the forward subscore with the 1988 PIAT Mathematics assessment. Given the earlier information suggesting little racial/ethnic variation between scores on the reverse scale, the suggestion is made that this particular subscale may be particularly potent for longitudinal investigations of the antecedents of mathematical ability.

PIAT Mathematics

This assessment was taken by all children age five and over in 1988. It had a very high completion rate, about 95 percent overall, with modest racial/ethnic variations. Tables 3.6.1 though 3.6.4 include sample case distributions for the raw and standard scores as well as nationally normed standard and percentile score distributions.

Note that the overall normed percentile mean for the NLSY sample on this assessment is 48.6 compared with a mean of 50.0 for the nationally representative norming sample. (The 1986 NLSY sample also scored in the 48th percentile.) This is in spite of the fact that the NLSY sample, as described earlier, does *not* typify a nationally representative sample of American children. While a definitive reason for this anomaly cannot be given, it is hypothesized that this similarity with national statistics probably reflects the fact that the PIAT norming sample was typical of U.S. children in the late 1960s. It may well be that external influences such as television (e.g., "Sesame Street" programming) may have led to raising of *minimal* mathematics knowledge--although not necessarily enhancing *advanced* mathematics capabilities. The results in Table 3.6.4 support this supposition. It may be noted that while the overall percentile mean on PIAT Math for the NLSY sample approximates 50, only about 5 percent of the children fell within the top 10 percent and 15 percent within the top 20 percent--compared with the late 1960s norming sample. In contrast, the bottom 20 percent also seems somewhat under-represented compared with the norming sample. Thus, there is some modest evidence that the NLSY sample is above average (compared with 1960s children) in meeting minimal mathematics standards (e.g., being able to answer the relatively basic elementary mathematics questions) but below average in coping with more complex mathematics concepts and operations. In summary, all of the above evidence is consistent with the notion that the PIAT Math should be an effective outcome measure for a full range of analytical studies that probe sample variations relating to demographic and socio-economic factors. However, *it should be*

used cautiously if one's primary research emphasis is the comparison of these results with other population groups, as the reported normed scores appear to be unrealistically high. Similar patternings may be noted for the other PIAT assessments.

Tables 4.6 and 5.10 provide selected within- and cross-year correlations between the childrens' PIAT Mathematics score and various other assessments. Correlations between 1988 PIAT Mathematics and PIAT Reading Recognition and Comprehension scores for the most part are in the .5 to .6 range, comparable to what has been found by Dunn and Dunn (1970) in their evaluation of the assessment[2]. In the limited sample which completed both assessments, correlations between PIAT Mathematics and the Peabody Picture Vocabulary Test were around .5. Modest associations (generally in the .2 - .3 range) are also found cross-sectionally with the HOME cognitive stimulation and emotional support subscales. It is of some importance to note that cross-year correlations between 1986 PIAT Mathematics and the various 1988 PIAT scores are almost as strong as the within-year associations; the overall 1986-1988 PIAT Math correlation was .55 suggesting that while there is important continuity over time in mathematics ability there is also a substantial component associated with other transitional behaviors. It is also of interest to note that cross-year correlations for PIAT Math with the PIAT Reading scores are almost as substantial as the correlation with the 1988 PIAT Mathematics score.

PIAT Reading Recognition

For the most part, comments relative to the PIAT Reading Recognition assessment parallel those noted above for the mathematics assessment. Overall completion rates were quite high with minor racial/ethnic variations, as may be seen in Tables 3.7.1 - 3.7.2.

Mean percentile and standard scores are extraordinarily high, presumably for the same reasons that PIAT Mathematics scores were high. In fact, as may be seen in Table 3.7.4, the sample percentile mean was 56.4 compared with 50.0 for the original (1960s) norming sample. Racial/ethnic variations are fairly substantial on this assessment as the white sample had a percentile mean of about 60 compared with 51 for Hispanic and 49 for black children.

Within and cross-year correlation between the PIAT Reading Recognition scores and other assessments may be found in Tables 4.6 and 5.16. The results essentially parallel those

2. Dunn, Lloyd M. and Frederick C. Markwardt Jr. *PIAT Manual*, American Guidance Service Inc., Circle Pines, MN 55104.

already reported above for PIAT Mathematics. One possible exception would be that the cross-year correlations for Reading Recognition appear to be systematically higher than the cross-year correlations for either PIAT Math or PIAT Reading Comprehension. The overall cross-year PIAT Reading Recognition was a quite high .66--reaching .8 for children age 10 and over in 1988. It appears that Reading Recognition scores are slig .ly more stable than are most other assessment scores.

PIAT Reading Comprehension

The PIAT Reading Comprehension assessment is administered to all children age five and over who scored at least 19 on the Reading Recognition assessment. Children who scored less than 19 on Reading Recognition were assigned their Reading Recognition score as their Reading Comprehension score. This partially explains the very high within-year correlations between Reading Recognition and Reading Comprehension.

Tables 3.8.1 through 3.8.4 provide the basic descriptive results for this assessment. Completion rates are slightly lower for this assessment than for the other PIATs, perhaps reflecting its greater difficulty and a slightly lesser tendency for some children to maintain their concentration through the assessment or to be willing to undertake it. As with the other PIATs, the children scored very well, far above the scores for the normed national sample from the late 1960s (see discussion of PIAT Mathematics). Also, as with the PIAT Reading Recognition assessment, there are substantial racial/ethnic differences. The within- and cross-year correlations associated with this assessment may be found in Tables 4.6 and 5.16.

Peabody Picture Vocabulary Test (Revised)

"The PPVT-R measures an individual receptive (hearing) vocabulary for standard American English and provides, at the same time, a quick estimate of verbal ability or scholastic aptitude" (Dunn and Dunn, 1981) [3]. However, in 1988 a small number of children who preferred to do so, were given the Spanish version of this assessment, the "Test De Vocabulario en Imogenes Peabody." For this reason, the 1988 assessment results should be less culturally biased than the 1986 version.

3. Dunn, L. and L. Dunn. *PPVT-R Manual.* Circle Pines, MN.

In 1988, this assessment was given to all 3 and 4 year olds and all 10 and 11 year olds, as well as other children over the age of three who had not received the assessment in 1986. The overall completion rate for those eligible to take this assessment in 1988 was about 88 percent with only minor racial/ethnic variations (see Tables 3.9.1 and 3.9.2). In contrast, variations in completion rates were quite substantial in 1986, having ranged from 90 percent for white children to 81 percent for Hispanic children.

Major racial/ethnic variations in PPVT scores may be noted in Tables 3.9.3 and 3.9.4 with both black and Hispanic youth scoring substantially lower than white children. In analyses carried out with the 1986 sample, substantial racial/ethnic differences were maintained even after controlling (in multivariate analyses) for maternal education, family income and a variety of other factors.

Users may note one very important distinction between the PPVT-R and PIAT scores--a difference of particular interest to those who plan to concurrently use both assessments. Whereas the PIAT assessments had surprisingly high mean scores (see PIAT discussions) for a sample which includes a disproportionate number of disadvantaged children, the PPVT-R means are substantially below those of the norming sample. The NLSY PPVT sample has a mean standard score of about 91 and a standard deviation of 20. Only the white sample had a mean approaching the overall national average of 100. Undoubtedly, this large differential between the NLSY PIAT and PPVT-R mean scores at least partly reflects the fact that the PPVT-R norming sample is relatively contemporary (1979) whereas the PIAT norming sample is from the late 1960s. That the NLSY relatively disadvantaged sample has a mean significantly below that reported for a fully representative national sample of children is not surprising. Whether there are other causes for this difference is not known at this time, but the question warrants further evaluation.

Table 4.7 provides evidence of fairly substantial concurrent validity between 1988 PPVT scores and scores on other assessments. Depending on the child's age, correlations with the three PIAT assessments range from .4 to .6. Correlations with verbal memory were in the .3 range. Correlations are also quite high with the HOME cognitive stimulation (.36 to .46) and emotional support scale (.21 to .40). Thus, there is substantial evidence of significant substantive associations between a child's ability on this basic vocabulary assessment, other achievement batteries and a complex of factors from the child's home environment.

PPVT also shows a rather substantial cross-year within-test correlation of .64 (.75 for children age 10 and over) and cross-year correlations with the three PIAT assessments in the

.40 - .45 range (see Table 5.17). Generally, cross-year correlations were higher for older children. It is of some interest to note that PPVT cross-year correlations are as high (in some instances, higher) with PIAT mathematics as with the PIAT reading batteries.

B. Child Assessments Completed by the Mother

Home Observation for Measurement of the Environment-Short Form (HOME-SF)

The assessment is completed primarily by the mother of the child although several of the items are also interviewer reports. It is completed for all children in the sample and is the primary measure of the quality and nature of the child's home environment included in the NLSY child survey. The tabular and correlational data included here focus on the overall HOME scale as well as the two primary subscales--cognitive stimulation and emotional support. Before using any of these scales, the prospective user is urged to review the materials on this assessment in the 1988 *Users' Guide* and Baker and Mott (1989). The *Users' Guide* includes as an appendix the full HOME questionnaire supplement which precisely specifies the items included in each scale as well as the relevant recoding.

Tables 3.10.1 through 3.10.10 include raw score and standard score sample case distributions as well as weighted (internally normed) standard and percentile percent distributions for the overall score as well as for the cognitive stimulation and emotional support subscales. This assessment was internally normed as no external national norms were available. Overall scores are available for about 95 percent of the sample (with little racial/ethnic variations). However, for about ten percent of the sample, prorated overall scores were created because some individual items had not been completed. This is discussed further in the *1988 Users' Guide*. Scores are available for only about 89 percent of children on cognitive stimulation and 86 percent on emotional support, reflecting more stringent rules regarding proration. For both of these subscales, particularly the emotional support score, there are racial/ethnic differences in completion rates. For the emotional support subscale, scores were obtained for 88 percent of white children but only 84 percent of black and 81 percent of Hispanic. Given that much of the HOME assessment was completed by the mother of the child, this differential completion rate may be linked with racial and particularly ethnic differences in English language capability. Users may wish to consider this issue when using the various subscales for their analyses.

Because this assessment is internally normed, the overall weighted mean standard score and the overall age-specific standard scores are 100.0. It may be noted that there are substantial racial/ethnic variations in this assessment. Average overall HOME scores range from 91 for black to 103 for white children with Hispanic children living in intervening home environments (Table 3.10.3). On the cognitive stimulation subscale (Table 3.10.7), the average white score was about 102 compared with 94 for Hispanic children and 93 for black children. Regarding emotional support (Table 3.10.10), white and Hispanic scores were somewhat similar (102 and 99 respectively), both substantially above scores for children in black households.

Table 4.14 includes additional important reliability information for this assessment. Depending on the age of the child, it may be noted that the overall Cronbach alpha ranged from about .6 for the youngest children to about .7 for children age three and over. The cognitive stimulation subscale generally showed somewhat greater reliability with age-specific coefficients ranging from .57 to .65 compared with a range of .34 to .61 for the emotional support subscale. These estimates are generally comparable to what was found for the 1986 HOME assessment. It is perhaps also fair to conclude that reliability is somewhat greater for the older children in the sample.

Table 4.8, which provides correlations between the two HOME subscores and the full range of other 1988 assessments, offers important evidence about the central role of the HOME environmental assessment in helping to explain a full range of child attributes. Moderately strong correlations may be noted between cognitive-stimulation and the several Peabody assessments, and also with Body Parts and, for younger children, Motor and Social Development. More modest correlations are found with Verbal Memory, Digit Span, and the Temperament sociability subscales as well as a moderate inverse association with Behavior Problems. A similar patterning may be found in the correlations between the HOME emotional support subscale and the various assessments, although the magnitudes of the correlations are generally (but not always) smaller.

Tables 5.1 through 5.7 include cross-year correlations between selected dimensions of the HOME scale in 1986 and a full range of child assessments in 1988 for children of selected ages. While far from definitive, these cross-year correlations provide useful evidence regarding the utility of the HOME as a potential causal predictor of the psychometric properties innate to at least some of the other assessments.

It is useful to emphasize that the HOME scale consists of a wide range of inputs which purport to measure dimensions of the quality of the home environment--family interaction patterns, physical attributes of the home, intellectual attributes, and so on. Thus, while some stability over time in these components might be anticipated, it is also true that significant change could be expected. This change may reflect major changes in family structure (e.g., a divorce or separation or the birth of a new child) or physical environment (a move to a physically better or poorer residence). For these reasons, while the cross-year correlations between the HOME scores (Table 5.1) are quite strong, they are not overwhelmingly so. The overall correlation is .54 and the correlations between the subscores over time are in the .4 to .5 range. From an analytical perspective, this suggests that changes in the home environment can be important predictors of changes in other assessments. As Tables 5.3 through 5.7 suggest, the longitudinal linkages between 1986 HOME scores and selected 1988 (at least partially) achievement-based assessments varies considerably. The 1986 HOME cognitive stimulation score correlates fairly strongly with 1988 PIAT and PPVT scores but somewhat less strongly with Verbal Memory and Digit Span. In addition, the 1986 HOME emotional support scores correlate with the 1988 PIAT assessments almost as strongly as do the cognitive stimulation scores (see Tables 5.5 and 5.6). In this regard, it is of some interest to note that the over-time correlations are significantly stronger between the 1986 emotional support score and several 1988 aptitude/achievement scores than with the 1988 Behavior Problems score and subscores (Table 5.2). Indeed, it may be seen that there is very limited association between the 1986 emotional support scale for children at any age and subsequent 1988 behavior problems scores for the same children.

Temperament Subscales

As described extensively in Baker and Mott (1989), the Temperament items (also termed "how my child usually acts") are a series of maternal-report scales measuring the behavioral style of children under the age of seven. Different items are addressed to children of different ages and, in addition, different subscales are appropriate for children of different ages. As no appropriate national norms are available for this assessment, only raw scores are provided. Tables 3.11.1 through 3.11.6 include raw score sample case and weighted percent distributions by age for many of the subscales (there is no overall temperament scale). It may be noted that completion rates are quite high for most of the scales, ranging from a high of 97 percent for the activity and predictability subscales for infants to a low of 88 percent for the

friendliness subscale for children under age 2. The subscales with the lowest completion rate tend to include some items which are based on interviewer ratings, which in some instances were inadvertently not completed.

Reliability analyses performed by CHRR on the various Temperament subscales reveal that the internal consistency of the subscales is generally moderate to strong. Table 4.9.5 which describes the nature of each subscale and the relevant sample of children to which each applies, shows a range of alpha coefficients from a low of .45 for the Irritability subscale for infants to highs of .9 for the Sociability subscales for all children. Most of the subscales fall within the moderate to high reliability range of .6 to .8. Generally, the order of magnitude of these coefficients is similar to those reported for the same scales in 1986 although there is some tendency for the 1988 subscales to have slightly greater reliability than their 1986 counterparts.

Tables 4.9.1 through 4.9.4 provide a comprehensive breakdown of the pattern of intersubscale correlations for each of the following age groups: (1) birth through eleven months; (2) eight months through eleven months; (3) twelve months through twenty-three months (one year olds); and (4) twenty-four months through eighty-three months (children age two years through six years).

Overall, the direction of the correlations present in Table 4.9.1 follow a pattern one might expect. Predictability for children under age one shows a positive association with Positive Affect and significant negative correlations with the Difficulty and Negative Hedonic Tone composite scores. The strong positive correlations between the Difficulty composite score and Fearfulness are consistent with the fact that all the items in the subscale are included in the composite score. Similarly, the strong positive correlations between the Negative Hedonic Tone composite score and the Fearfulness subscale reflect the presence of the subscale items in the composite score. Since the Negative Hedonic Tone composite score shares all but three of the Difficulty items, one might expect their inter-correlation to be quite high as seen in the coefficient of .80.

It is important to note that some components of the Temperament assessment (in particular the Sociability scale which is available for children between the ages of eight months and six years) have high apparent face validity as proxies for the positive or negative nature of the interaction between interviewer and child. Some evidence for this supposition may be found in Table 4.10 which indicates generally stronger correlations between the Sociability subscale--which is based on the interviewer's judgment--and the assessments which were

directly administered by the interviewer (e.g., PPVT-R, Verbal Memory). This "halo" effect suggest that children who have good rapport with the interviewer may score somewhat better on assessments or, conversely, that children who perform better on the assessments may be viewed more favorably by their interviewer. Determining the direction of the possible causation is beyond the scope of this discussion. In contrast, correlations between the mother-completed assessments and the Sociability scale generally appear somewhat lower, although some exceptions may be noted.

We also ran correlations between selected Temperament subscale scores in 1986 and the various Behavior Problem outcomes in 1988 (Table 5.8). There is strong presumptive evidence that the Temperament compliance, insecure attachment and sociability dimensions might be linked with subsequent behavior problems. While the magnitude of these cross-year correlations are modest, the signs are in directions consistent with expectations. Greater compliance and sociability in 1986 show some inverse association with behavior problems in 1988 as well as being inversely linked with all of the Behavior Problem subscores, in almost all cases attaining statistical significance. In addition, less insecure attachment in 1986 is associated with lesser levels of 1988 behavior problems. Thus, while linkages are modest, the results are consistent with expectations.

Finally, it is emphasized that researchers who plan to use this assessment examine the supplementary materials relating to this scale in the 1988 *Users' Guide* and, in particular, Baker and Mott (1989). The latter document describes in some detail the nuances of the 1986 Temperament data collection. In addition, the tabular material provided will enable users to gain insights regarding the stability of this assessment over time, as comparative examination of 1986 and 1988 response patterns and reliability can be accomplished.

Motor and Social Development

This assessment is completed by the mother of the child for all children under the age of four. There are eight distinct developmentally oriented sets of items which are geared to children of different ages. Associated with each raw score is an overall percentile and standard score which is based on data from the nationally representative sample of children in the 1981 National Health Interview Survey. Also, same-gender nationally normed percentile and standard scores are available. The Motor and Social Development Scale (MSD) was developed by Dr. Gail Poe of the National Center for Health Statistics and measures dimensions of the motor, social and cognitive development of children. The *1988 Data Users' Guide* and Baker

and Mott (1989) provide additional information about the origin as well as the reliability and validity of this instrument based on information from various sources as well as the 1986 NLSY.

Tables 3.12.1 through 3.12.7 include basic descriptive information about the 1988 raw and normed MSD scale. This includes overall (Tables 3.12.1 through 3.12.3) as well as same-gender estimates. The overall completion rate for this assessment is about 90 percent with only modest racial/ethnic variations (Table 3.12.1). In this assessment, higher scores imply preferable development. While white children, overall, score somewhat higher than other children, it is useful to note that racial/ethnic variations differ considerably by age of child; at the youngest ages, black children score the highest. Parallel multivariate analyses which regressed MSD standard scores on a full range of early in-life explanatory variables corroborated this age difference. In addition, examination of one through three year olds within a multivariate context indicates that girls score substantially (and significantly) higher than boys on this assessment. Generally, the age-race differences noted above may also be found when one considers boys and girls separately (Tables 3.12.4 through 3.12.7).

As may be noted in Table 4.11, the 1988 MSD assessment correlates moderately well with a number of other 1988 assessments. In particular, it correlates well with the HOME cognitive stimulation score, particularly for older children and shows a strong association with HOME emotional support for three year olds. Linkages with Memory for Location are modest but associations with Body Parts are reasonably strong. Finally, modest correlations may be found with PPVT and Verbal Memory for three year olds. Whereas within-year correlations are reasonably strong, cross-year correlations with PPVT are much more modest, suggesting that the utility of this assessment as a longer-term predictor in the cognitive domain may be limited.

Behavior Problems Index

The Behavior Problems Index (BPI) assessment was completed by all mothers of children age four years or over. This scale was created by Drs. Nicholas Zill and James Peterson of Child Trends Inc., Washington, D.C. in order to measure the frequency, range and type of childhood behavior problems. Many items were derived from the Achenbach Behavior

Problems Checklist (Achenbach & Edelbrock, 1981) and other child behavior scales (Graham & Rutter, 1968; Rutter, Tizard & Whitmore, 1970; Kellam et al, 1975; Peterson & Zill, 1986)[4].

In addition to one overall BPI score and six subscores, normed scores have been constructed based on data from the 1981 National Health Interview Survey[5]. Overall as well as "same-gender" percentile and standard scores are available for each child for each score/subscore. These normed scores are based on a single year of age data. For children below the age of six, separate norms are computed for children in and out of school. The six subscales are constructed to measure antisocial, anxious-depressed, headstrong, hyperactive, dependent and peer conflict dimensions of child behavior. Baker and Mott (1989) describe in some detail data quality issues associated with this assessment as well as reliability and validity analyses based on the 1986 NLSY child data. Higher scores on this assessment represent a greater level of behavior problems.

Tables 3.13.1 through 3.13.3 provide overall sample sizes and weighted standard and percentile score distributions for this assessment. The overall completion rate is about 92 percent with little racial/ethnic variation. Given that a fully nationally representative sample would be expected to have a standard score mean of 100, it may be readily noted (from Table 3.13.2) that the children in the NLSY sample have an average score well above the national norm--about 109. Given that the average maternal age at birth for this sample of children is significantly lower than would be true for a fully representative cohort, this result is to be expected. Table 3.13.3 further emphasizes the fact that fully 21 percent of the NLSY sample of

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4. Achenbach, T. M. and C. S. Edelbrock. 1981. "Behavioral Problems and Competencies Reported by Parents of Normal and Distributed Children Aged Four Through Sixteen." Monographs of the Society for Research in Child Development. Serial No. 188, Vol. 46, Whole No. 1.

   Graham, P. J. and M. L. Rutter. 1968. "The Reliability and Validity of the Psychiatric Assessment of the Child, II. Interview with the Parent." British Journal of Psychiatry, Vol. 114: 581-592.

   Kellam, S. K., J. D. Branch, K. C. Agrawal and M. E. Ensminger. 1975. Mental Health and Going to School: The Woodlawn Program of Assessment, Early Intervention, and Evaluation. Chicago: University of Chicago Press.

   Peterson, James L. and Nicholas Zill. 1986. "Marital Disruption, Parent-Child Relationships, and Behavioral Problems in Children." Journal of Marriage and the Family, Vol. 48, No. 2 (May).

   Rutter, M., J. Tizard, and K. Whitmore. 1970. Education, Health and Behaviour. London: Longman.

5. National Center for Health Statistics. 1982. "Current Estimates from the National Health Interview Survey: United States 1981." Public Health Service, Vital and Health Statistics, Series 10, No. 141, Washington, D.C. U.S. Govt. Printing Office.

children score in the highest ten percent on this assessment--only 6 percent score in the lowest 20 percent. The reader may also note (from Tables 3.13.4 through 3.13.9) that similar distributions are evidenced for the six subscales, although some show this effect more than others. The reader may also note that there is a systematic pattern of the oldest children having the highest behavioral problem scores. This also is not surprising, given that the mothers of the oldest children tended to have their children at younger ages, are less educated and are more likely to have raised their children in fatherless homes.

Tables 4.12.1 through 4.12.8 provide intra-assessment correlations for children of different ages in 1988. Thus, the reader may examine the extent to which the various subscales correlate with the overall behavior problems score and in addition, examine the extent to which the subscales correlate with each other. In general, the headstrong, hyperactive and anxious-depressed subscales correlate to a greater degree with the overall score. This to some extent reflects the fact that these subscores include a greater number of items which are of course part of the overall score. Regarding the between-subscore correlations, it appears that the headstrong subscale shows the strongest linkages with the other subscales.

Generally, the 1988 overall Behavior Problems score shows only modest associations with other 1988 assessments (Table 4.13). The strongest correlations are with the PIAT reading assessments as higher behavior problems scores are fairly systematically associated with lower PIAT scores. Other correlations are usually in the expected direction but the correlations tend to be quite small. Similar patterns were noted in 1986.

Table 4.14 includes scale and subscale reliability coefficients for the 1988 assessments. It is useful to note that the Cronbach alphas derived from these 1988 data are systematically higher than similar coefficients derived from the 1986 data. The coefficients derived from our analyses virtually coincide with coefficients estimated by Zill from the 1981 NCHS data referenced above. Thus, even though these two surveys were carried out on substantially disparate samples with different interviewing procedures and environments, the close comparability in the coefficients lend support to the notion that the BPI assessment can probably be used with some confidence.

Finally, Table 5.10 provides information about the degree of stability over time in the Behavior Problem scale and subscales. It may be seen that the 1986-1988 correlations range from modest to quite strong. Not surprisingly the strongest correlation is between the overall score for 1986 and 1988. The magnitude of the correlations suggest that while there is certainly a significant tendency for children to maintain behavioral traits over time, there is

also substantial evidence of instability in behavioral traits. This is consistent with evidence from other substantively linked assessments (such as the HOME scale) that many of these children are in environments substantially in flux due to changes in physical environments, household structure and, of course, factors external to their family.

Table 1.1 Interviews Completed by NLSY Civilian Female Respondents in 1979 and 1988 and by Children in 1988, by Race/Ethnicity

	FEMALES INTERVIEWED IN 1979	FEMALES INTERVIEWED IN 1988		MOTHERS INTERVIEWED IN 1988	CHILDREN 1988				
					BORN TO ALL MOTHERS(2)	BORN TO MOTHERS INTV'D IN 1988		ASSESSED IN 1988	
RACE	SAMPLE SIZE	SAMPLE SIZE	RETENTION RATE(1)	SAMPLE SIZE	SAMPLE SIZE	SAMPLE SIZE	RETENTION RATE(3)	NUMBER ASSESSED	ASSESSMENT COMP. RATE(4)
White	2279	2099	92.1	1108	2051	1983	96.7	1894	95.5
Poor White	1099	993	90.4	682	1452	1380	95.0	1299	94.1
Hispanic	978	846	86.5	587	1345	1213	90.2	1152	95.0
Black	1472	1361	92.5	959	2064	1964	94.2	1880	95.7
Total	5828	5299	90.9	3336	6932	6540	94.3	6225	95.2

Notes: (1). Percent of original sample of civilian women interviewed in 1988.
(2). Number of children known to have been born to all civilian women, including those who attrited prior to 1988.
(3). Children born to mothers interviewed in 1988 as a percent of all children known to have been born to all civilian women.
(4). Children assessed in 1988 as a percent of children born to women interviewed in 1988.

Table 1.2 Children Assessed in 1988 by Children Assessed in 1986 by Age of Child in 1988 and Race/Ethnicity (Sample Cases)

	ASSESSED		AGE OF CHILD IN 1988																		
	1986	1988	<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	TOTAL
	Yes	Yes	0	0	292	613	546	561	561	497	457	334	267	213	168	102	47	24	7	2	1	4692
	Yes	No	0	0	25	31	27	25	24	18	11	7	8	11	2	1	3	1	0	0	0	194
	No	Yes	560	534	286	24	25	21	19	15	26	11	12	18	13	7	2	1	0	0	0	1574
	No	No	140	156	68	77	37	134	77	25	110	10	21	13	14	4	1	0	0	0	0	886
	Total:		700	690	671	745	635	741	681	555	604	362	308	255	197	114	53	26	7	2	1	7346
HISPANIC	1986	1988																			
	Yes	Yes	0	0	48	106	100	102	125	95	76	58	49	31	25	15	8	1	2	0	1	842
	Yes	No	0	0	11	14	10	5	6	7	3	0	0	3	0	0	0	0	0	0	0	59
	No	Yes	98	100	65	8	6	5	5	4	7	3	3	5	4	2	1	0	0	0	0	316
	No	No	37	41	14	14	5	4	4	5	10	0	1	1	4	1	1	0	0	0	0	142
	Total:		135	141	138	142	121	116	140	111	96	61	53	40	33	18	10	1	2	0	1	1359
BLACK	1986	1988																			
	Yes	Yes	0	0	83	161	152	164	169	156	162	129	99	72	78	50	19	14	3	1	0	1512
	Yes	No	0	0	5	7	6	14	8	4	6	7	8	4	2	1	1	1	0	0	0	74
	No	Yes	135	131	66	7	6	5	4	3	6	2	3	5	6	2	1	1	0	0	0	383
	No	No	20	18	7	10	10	47	48	7	14	6	2	7	7	2	0	0	0	0	0	204
	Total:		155	149	161	185	174	230	229	170	188	144	112	88	93	55	21	16	3	1	0	2173
OTHER	1986	1988																			
	Yes	Yes	0	0	161	346	294	295	267	246	219	147	119	110	65	37	20	9	2	1	0	2338
	Yes	No	0	0	9	10	11	6	10	7	2	0	0	4	0	0	2	0	0	0	0	61
	No	Yes	327	303	155	9	13	11	10	8	13	6	6	8	3	3	0	0	0	0	0	875
	No	No	83	97	47	53	22	83	25	13	86	4	18	5	3	1	0	0	0	0	0	540
	Total:		410	400	372	418	340	395	312	274	320	157	143	127	71	41	22	9	2	1	0	3814

Note: A child is considered to have been assessed in a given year if he/she has a valid score on one of the HOME assessment items.

Table 1.3 Age of Child in 1988 by Age of Mother at Birth of Child
(Sample Cases)

AGE OF CHILD IN 1988	AGE OF MOTHER AT BIRTH OF CHILD																				
	12 OR UNDER	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Missing Data (1)	1		1	9	20	46	40	70	84	104	107	95	95	61	33	8	8	2	3		787
<1 Year											1	29	71	90	95	82	73	58	56	31	586
1 Year										1	14	74	76	73	60	79	69	63	40		549
2 Years									1	29	62	85	81	66	65	76	78	53			596
3 Years								1	22	80	89	98	76	76	90	71	44				657
4 Years							1	29	67	71	78	73	78	77	61	49					584
5 Years							26	58	74	98	85	76	74	84	44						619
6 Years						18	53	80	66	64	110	84	73	56							604
7 Years					9	44	53	72	104	88	68	64	51								553
8 Years				5	22	52	61	76	72	97	78	41									504
9 Years			1	6	24	34	54	52	64	74	53										362
10 Years			3	8	25	43	56	61	67	43											306
11 Years			2	6	21	35	56	65	47												232
12 Years			1	9	33	54	51	44													192
13 Years		2	2	12	21	53	32														122
14 Years			3	10	14	28															55
15 Years			2	10	14																26
16 Years	2		2	4																	8
17 Years		2	1																		3
18 Years	1																				1
Total	4	4	18	79	203	407	483	608	668	749	755	719	675	583	448	365	272	176	99	31	7346

Note: (1) Includes all children known to have been born to women interviewed at any survey since 1979. Missing data relate to children born to mothers who were not interviewed in 1988.

Table 1.4 Age of Child in 1988 by Age of Mother at Birth of Child: Children Assessed in 1988 (Sample Cases)

AGE OF CHILD IN 1988	AGE OF MOTHER AT BIRTH OF CHILD																			
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Missing Data					1	3		3	2	3	3	1	2	1	2				1		21
<1											1	28	69	88	93	80	66	55	53	30	563
1										1	14	73	76	70	56	76	67	61	38		532
2									1	28	61	83	78	64	64	73	76	51			579
3								1	20	78	92	95	72	71	88	69	43				629
4							1	28	61	69	78	72	76	74	59	48					566
5							25	52	74	94	77	74	71	81	42						590
6						16	49	74	62	62	101	82	72	53							571
7					7	37	48	65	102	83	64	61	48								515
8				5	20	46	59	74	67	93	75	40									479
9				6	22	34	51	49	61	71	50										344
10			3	6	25	41	51	58	60	39											283
11			2	6	19	33	54	63	44												221
12			1	8	32	50	49	42													177
13		2	2	12	19	47	31														113
14			2	7	13	26															48
15			2	10	12																24
16	1		2	4																	7
17		1	1																		2
18	1																				1
Total	2	3	15	64	170	330	394	496	534	593	587	568	530	476	382	324	244	150	86	25	6266

Table 1.5 Year of Birth of Child by Age of Mother at Birth of Child: Children Assessed in 1988 (Sample Cases)

YEAR OF BIRTH	AGE OF MOTHER AT BIRTH OF CHILD																			
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
1970	1	1																			2
1971	1		2																		3
1972			2	8																	10
1973			3	11	18																32
1974			2	7	14	38															61
1975		2	1	13	24	48	47														135
1976			1	4	29	50	49	62													195
1977			3	7	22	37	49	63	69												250
1978			1	6	26	37	54	58	56	67											305
1979				8	20	35	58	48	72	74	77										392
1980					17	52	52	83	71	84	66	63									488
1981						36	47	68	89	84	85	67	68								544
1982							52	69	66	73	89	78	72	77							576
1983							5	53	71	90	78	78	75	80	61						591
1984								5	58	78	79	82	77	72	67	70					588
1985									2	66	89	88	73	75	87	59	67				606
1986										5	51	85	77	65	56	81	74	69			563
1987											2	66	77	75	69	91	74	58	55		567
1988												2	45	58	64	45	37	40	37	30	358
Total	2	3	15	64	170	333	413	509	554	621	546	609	564	502	404	346	252	167	92	30	6266

Table 1.6 Age of Children in 1988 by Gender and Race/Ethnicity: Children Assessed in 1988 (Sample Cases)

GENDER	RACE/ ETHNICITY	AGE OF CHILD IN 1988																		
		<1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	TOTAL
Male	Hispanic	56	54	71	59	49	53	67	56	47	29	26	18	17	12	2	0	2	0	0	618
	Black	68	66	73	86	72	79	75	85	78	72	47	41	45	27	8	9	1	0	0	932
	White	182	164	142	178	149	162	132	135	126	84	65	51	33	18	10	6	1	0	0	1638
	TOTAL	306	284	286	323	270	294	274	276	251	185	138	110	95	57	20	15	4	0	0	3188
Female	Hispanic	44	46	42	52	57	54	65	41	36	33	24	17	13	6	6	1	0	0	1	538
	Black	68	62	78	77	86	93	92	79	88	55	58	34	35	27	13	5	2	1	0	953
	White	145	140	173	177	153	149	140	119	104	71	63	60	34	23	9	3	1	1	0	1565
	TOTAL	257	248	293	306	296	296	297	239	228	159	145	111	82	56	28	9	3	2	1	3056

Note: Sample includes all children assessed in 1988 for whom information was available.

Table 1.7 Age of Child in 1988 by Highest Grade of School Completed by Mother
(Sample Cases)

HIGHEST GRADE COMPLETED BY MOTHER	AGE OF CHILD IN 1988													
	<1	1	2	3	4	5	6	7	8	9	10	11	12+	TOTAL
0-11 Years	90	110	104	132	140	160	153	173	163	127	122	92	190	1756
12 Years	281	247	298	336	297	329	328	288	250	176	137	110	158	3235
13+ Years	208	190	190	184	142	123	118	89	87	57	42	26	54	1510
Total	579	547	592	652	579	612	599	550	500	360	301	228	402	6501
Percent of Children Born to H.S. Dropouts	15.5	20.1	17.6	20.2	24.2	26.1	25.5	31.5	32.6	35.3	40.5	40.4	47.3	27.0

Note: Sample includes all children born to women interviewed in 1988 for whom information was available. Age of child was computed based on 1988 interview date of mother.

Table 1.8 Age of Mother at Birth of Each Child by Highest Grade of School Completed by Mother as of 1988 (Sample Cases)

HIGHEST GRADE COMPLETED BY MOTHER	AGE OF MOTHER AT BIRTH OF CHILD					
	11-14	15-16	17-19	20-23	24+	TOTAL
0-11 Years	13	127	546	652	419	1757
12 Years	7	98	635	1381	1114	3235
13 or More Years	4	26	147	448	885	1510
Total	24	251	1328	2481	2418	6502
Percent of Children Born to H.S. Dropouts	54.2	50.6	41.1	26.3	17.3	27.0

Note: Sample includes all children born to women interviewed in 1988 for whom information was available.

Table 1.9 Selected Characteristics of Mothers by Age of Child in 1988
(Unweighted Estimates)

AGE OF CHILD IN 1988	RACE/ETHNICITY OF MOTHER			MEAN AGE OF MOTHER AT BIRTH	PERCENT WITH MOTHERS WHO HAVE LESS THAN 12 YEARS OF SCHOOLING			
	PERCENT HISPANIC	PERCENT BLACK	PERCENT WHITE		HISPANIC	BLACK	WHITE	TOTAL
Under 1	18.6	24.1	57.3	26.8	23.4	20.6	10.9	15.5
1	19.1	23.7	57.2	26.1	38.1	19.2	14.4	20.1
2	20.0	25.5	54.5	25.2	27.7	17.2	14.0	17.6
3	17.5	26.5	56.0	23.6	27.2	20.8	17.8	20.3
4	18.8	27.6	53.6	23.1	44.4	22.4	18.1	24.2
5	18.3	29.0	52.8	20.5	33.3	23.7	25.0	26.1
6	22.9	29.1	48.0	22.2	35.8	22.7	22.4	25.5
7	18.4	32.0	49.6	21.4	47.5	29.4	26.8	31.5
8	17.3	33.7	49.0	19.8	42.4	25.9	33.9	32.6
9	17.4	36.7	45.9	19.4	42.9	33.1	34.2	35.3
10 and over	16.5	39.8	43.7	17.8	53.9	39.3	43.2	43.4
Total	18.5	29.6	51.9	22.2	38.0	26.5	23.4	27.0

Note: Sample includes all children born to women interviewed in 1988 for whom information was available.

Table 1.10 Distribution of NLSY Women by Number and Age of Children, and Race/Ethnicity, 1988

TYPE OF HOUSEHOLD (FEMALE)	AGE OF CHILDREN	NUMBER OF HOUSEHOLDS			
		TOTAL	HISPANIC	BLACK	WHITE
Females with no Children		1983	261	407	1315
Mothers with 1 Child	<3 Years Old	497	87	100	310
	3-5 Years Old	340	56	97	187
	6-8 Years Old	262	38	91	133
	9+ Years Old	145	20	55	70
	Total	1244	201	343	700
Mothers with 2 Children	Both <3 Years Old	80	10	18	52
	Both 3-5 Years Old	84	15	26	43
	Both 6-8 Years Old	63	9	18	36
	Both 9+ Years Old	72	10	26	36
	Older 3-5, Younger <3	337	62	55	220
	Older 6-8, Younger <3	140	36	44	60
	Older 6-8, Younger 3-5	231	43	57	131
	Older 9+, Younger <3	40	7	20	13
	Older 9+, Younger 3-5	100	11	36	53
	Older 9+, Younger 6-8	159	23	55	81
	Total	1306	226	355	725
Mothers with 3 or More Children	All <3 Years Old	0	0	0	0
	All 3-5 Years Old	3	0	1	2
	All 6-8 Years Old	4	2	0	2
	All 9+ Years Old	29	3	11	15
	Oldest 3-5, Youngest <3	87	16	22	49
	Oldest 6-8, Youngest <3	180	46	41	93
	Oldest 6-8, Youngest 3-5	72	12	22	38
	Oldest 9+, Youngest <3	142	29	57	56
	Oldest 9+, Youngest 3-5	155	32	63	60
	Oldest 9+, Youngest 6-8	107	21	43	43
	Total	779	161	260	358

Note: Females are classified on the basis of available child birth dates. Fourteen women who are elsewhere classified as mothers are, as a result of missing data re. children's birth dates, classified in this table as "Females with no children."

Table 2.1 1988 Child Assessment

1. Assessments Repeated for All Age-Appropriate Children

   a) Body Parts (1 and 2 year olds)
   b) Motor and Social Development (under age 4)
   c) "How My Child Acts" (under age 7)
   d) PIAT (all children age 5 and over)
   e) "What I Am Like" (age 8 and over)
   f) HOME (all children)
   g) Behavior Problems (age 4 and over)

2. Assessments Only Given to Children who have become age eligible for the first time (i.e., no repeats) (a)

   a) Memory for Location (8 months thru 2 years)
   b) Verbal Memory (age 3 thru 6)
   c) Digit Span (age 7 and over)
   d) PPVT (age 3 and over)

3. Assessments Given to All Ten and Eleven Year Olds (other than above)

   a) PPVT
   b) Digit Span

Note: (a) Includes age eligible non-completers in 1986.

Table 2.2 Child Assessment Completion Rates by Race/Ethnicity: Children Reported by Mothers Interviewed in 1988 (Unweighted Estimates)

ASSESSMENT	CHILD AGE	RACE/ETHNICITY											
		ALL CHILDREN			HISPANIC			BLACK			WHITE		
		TOTAL SAMPLE SIZE	VALID SCORE SAMPLE SIZE	VALID SCORE %	TOTAL SAMPLE SIZE	VALID SCORE SAMPLE SIZE	VALID SCORE %	TOTAL SAMPLE SIZE	VALID SCORE SAMPLE SIZE	VALID SCORE %	TOTAL SAMPLE SIZE	VALID SCORE SAMPLE SIZE	VALID SCORE %
The HOME	<3 Years	1671	1571	94.0	310	287	92.6	416	398	95.7	945	886	93.8
	3-5 Years	1791	1698	94.9	328	306	93.3	494	473	95.7	969	920	94.9
	6-9 Years	1920	1837	95.7	373	346	92.8	631	610	96.7	916	881	96.2
	10 Years & Older	884	835	94.5	147	138	93.9	354	334	94.4	383	363	94.8
Temperament	< 1 Year	700	675	96.4	135	129	95.6	154	152	98.7	411	394	95.9
	1 Year	762	729	95.7	163	154	94.5	163	151	92.6	436	424	97.2
	2-6 Years	2800	2743	98.0	520	519	99.8	817	811	99.3	1463	1413	96.6
Motor and Social Development	0-3 Months	197	184	93.4	37	33	89.2	38	35	92.1	122	116	95.1
	4-6 Months	122	109	89.3	16	12	75.0	31	28	90.3	75	69	92.0
	7-9 Months	136	117	86.0	22	16	72.7	44	38	86.4	70	63	88.7
	10-12 Months	146	129	88.4	30	27	90.0	38	31	81.6	78	71	91.0
	13-15 Months	139	119	85.6	21	18	85.7	27	22	81.4	91	79	86.8
	16-18 Months	143	109	76.2	33	27	81.8	31	23	74.2	79	59	83.1
	19-21 Months	128	108	84.4	22	19	86.4	28	23	82.1	78	66	84.6
	22-47 Months	1297	1191	91.8	244	218	89.3	345	310	89.9	708	663	93.6
Behavior Problems	4 Years & Older	3957	3641	92.0	733	667	91.0	1313	1182	90.0	1911	1792	93.8
Body Parts	12-35 Months	1112	988	88.8	213	185	86.9	280	252	90.0	619	551	89.0
Memory for Location	8-47 Months	1531	1258	82.2	300	241	80.3	392	307	78.3	839	710	84.6

Table 2.2 (cont.) Child Assessment Completion Rates by Race/Ethnicity: Children Reported by Mothers Interviewed in 1988 (Unweighted Estimates)

		RACE/ETHNICITY											
		ALL CHILDREN			HISPANIC			BLACK			WHITE		
		TOTAL	VALID SCORE		TOTAL	VALID SCORE		TOTAL	VALID SCORE		TOTAL	VALID SCORE	
ASSESSMENT	CHILD AGE	SAMPLE SIZE	SAMPLE SIZE	%	SAMPLE SIZE	SAMPLE SIZE	%	SAMPLE SIZE	SAMPLE SIZE	%	SAMPLE SIZE	SAMPLE SIZE	%
Verbal Memory Part A & B	3-6 Years	1582	1433	90.6	303	265	87.5	426	397	93.2	853	771	90.4
Verbal Memory Part C	3-6 Years	1582	1386	87.6	303	253	83.5	426	382	89.7	853	751	88.0
SPPC-Global	8 Years & Older	1929	1825	94.6	315	289	91.7	721	684	94.9	893	852	95.4
SPPC-Scholastic	8 Years & Older	1929	1826	94.7	315	290	92.1	721	684	94.9	893	852	95.4
Digit Span	7 Years & Older	1737	1562	89.9	318	275	86.5	597	549	92.0	822	738	89.8
PIAT Math	PPVT Age (5 Years +)	3935	3689	93.7	687	624	90.1	1361	1302	95.7	1887	1753	92.9
PIAT Reading Recognition	PPVT Age (5 Years +)	3935	3663	93.1	687	635	92.4	1361	1294	95.1	1887	1734	91.9
PIAT Reading Comprehension	PPVT Age (5 Years +)	3935	3542	90.0	687	605	88.1	1361	1243	91.3	1887	1694	89.8
PPVT-R	PPVT Age (3 Years +)	2776	2384	85.9	514	443	86.2	839	703	83.8	1423	1238	87.0

Note: The 6266 children in this universe, of the 7346 born to mothers interviewed in 1988, are those known to be available (primarily in their mother's home) at the time of assessment.

Table 2.3 Distribution of 1988 Valid and Invalid Assessment Responses by Race/Ethnicity, Maternal Education, and Maternal Age at Birth (Unweighted Estimates)

	PERCENT HISPANIC	PERCENT BLACK	PERCENT WHITE	PERCENT WITH MOTHER WHO HAS LESS THAN 12 YEARS SCHOOL	PERCENT WHO WERE BORN BEFORE MOTHER REACHED AGE 20	PERCENT VALID		
						WHITE	BLACK	HISPANIC
PIAT Math								
Valid Responses	18.0	34.6	47.4	32.2	43.5	92.9	95.7	90.1
Invalid Responses	27.4	24.6	48.0	36.8	45.7			
PIAT Reading Recognition								
Valid Responses	18.2	34.6	47.2	32.2	43.8	91.9	95.1	92.4
Invalid Responses	24.4	25.4	50.2	37.0	40.6			
PIAT Reading Comprehension								
Valid Responses	18.1	34.2	47.7	32.1	44.1	89.8	91.3	88.1
Invalid Responses	23.2	32.4	44.4	35.7	39.5			
SPPC Scholastic Competence								
Valid Responses	16.5	38.7	44.8	37.8	64.6	95.4	94.9	92.1
Invalid Responses	26.7	27.8	45.5	38.6	64.4			
SPPC Global Self-Worth								
Valid Responses	16.4	38.7	44.9	37.9	64.6	95.4	94.9	91.7
Invalid Responses	27.5	27.5	45.0	38.2	64.8			

Table 2.3 (cont.) Distribucion of 1988 Valid and Invalid Assessment Responses by Race/Ethnicity, Maternal Education, and Maternal Age at Birth
(Unweighted Estimates)

	PERCENT HISPANIC	PERCENT BLACK	PERCENT WHITE	PERCENT WITH MOTHER WHO HAS LESS THAN 12 YEARS SCHOOL	PERCENT WHO WERE BORN BEFORE MOTHER REACHED AGE 20	PERCENT VALID		
						WHITE	BLACK	HISPANIC
Memory for Location								
Valid Responses	19.2	24.4	56.4	19.9	---	84.6	78.3	80.3
Invalid Responses	21.6	66.3	47.1	16.7	---			
Body Parts								
Valid Responses	18.7	25.5	55.8	19.0	---	89.0	90.0	86.9
Invalid Responses	22.6	22.6	54.8	17.9	---			
Motor and Social Development								
Valid Responses	17.9	24.7	57.4	17.3	---	91.2	87.6	87.1
Invalid Responses	22.7	29.8	47.5	27.4	---			
The HOME								
Valid Responses	18.1	30.5	51.3	26.6	24.3	94.9	95.8	93.0
Invalid Responses	25.0	24.7	50.3	24.5	20.7			
Behavior Problems Index								
Valid Responses	18.3	32.5	49.2	30.9	38.2	93.8	90.0	91.0
Invalid Responses	20.9	41.5	37.6	35.5	36.7			
PPVT-R								
Valid Responses	18.7	30.5	50.8	28.8	24.8	87.0	83.8	86.2
Invalid Responses	23.9	27.9	48.2	35.0	24.6			
Verbal Memory (Parts A & B)								
Valid Responses	18.5	27.7	53.8	23.4	5.0	90.4	93.2	87.5
Invalid Responses	25.5	19.5	55.0	31.8	5.4			
Verbal Memory (Part C)								
Valid Responses	18.2	27.5	54.2	23.5	5.0	88.0	89.7	83.5
Invalid Responses	25.5	22.4	52.0	29.2	4.6			
Digit Span								
Valid Responses	17.6	35.1	47.2	33.2	49.0	89.8	92.0	86.5
Invalid Responses	24.6	27.4	48.0	39.3	52.6			

Table 3.0 1988 Assessment Scores Available

	Raw Score	Standard Score	Percentile Score
Total HOME Score (1)		D7919	D7916
0-2 Years	D7900		
3-5 Years	D7904		
6-9 Years	D7908		
10 and over Years	D7912		
HOME Cognitive Stim. Score (1)		D7920	D7917
0-2 Years	D7902		
3-5 Years	D7906		
6-9 Years	D7910		
10 and over Years	D7914		
HOME Emotional Supp. Score (1)		D7921	D7918
0-2 Years	D7903		
3-5 Years	D7907		
6-9 Years	D7911		
10 and over Years	D7915		
Temperament			
Activity	D7922		
Predictability	D7923		
Fearfulness	D7924		
Positve Affect	D7925		
Compliance	D7926		
Insecure Attachment	D7927		
Sociability	D7928		
Difficulty Comp.	D7929		
Neg. Hedonic Tone Comp.	D7930		
Friendliness Comp.	D7931		
Motor & Social Development	D7932	D7934	D7933
Same Gender		D7936	D7935
Behavior Problems	D7937	D7951	D7944
Antisocial	D7938	D7952	D7945
Anxious/Depressed	D7939	D7953	D7946
Headstrong	D7940	D7954	D7947
Hyperactive	D7941	D7955	D7948
Dependent	D7942	D7956	D7949
Peer Conflict	D7943	D7957	D7950
Behavior Problems-Same Gender		D7965	D7958
Antisocial		D7966	D7959
Anxious/Depressed		D7967	D7960
Headstrong		D7968	D7961
Hyperactive		D7969	D7962
Dependent		D7970	D7963
Peer Conflict		D7971	D7964
Body Parts	D7972	D7974	D7973
Memory for Location (1)	D7976	D7979	D7978
Verbal Memory			
A + B	D7980	D7982	D7981
C	D7983	D7985	D7984
Self Perception			
Scholastic	D7986		
Self Worth	D7988		
Digit Span	D7990	D7993	
Forward	D7991		
Backward	D7992		
PIAT Math	D7994	D7996	D7995
PIAT Reading Rec.	D7997	D7999	D7998
PIAT Reading Comp.	D8000	D8002	D8001
PPVT	D8004	D8006	D8005

(1) Internal norms provided.

Table 3.1.1 Body Parts - Raw Scores by Child Age/Ethnicity, 1988
(Sample Cases)

		0	1-3	4-6	7-9	10	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
1 Year		151	101	92	115	8	67	467	534	87.5
2 Years		21	21	49	334	96	57	521	578	90.1
Total		172	122	141	449	104	124	988	1112	88.8
RACE OF CHILD	AGE OF CHILD									
HISPANIC	1 Year	34	22	14	14	1	15	85	100	85.0
	2 Years	8	6	15	66	5	13	100	113	88.5
	Total	42	28	29	80	6	28	185	213	86.9
BLACK	1 Year	42	27	24	23	1	14	117	131	89.3
	2 Years	6	11	18	84	16	14	135	149	90.6
	Total	48	38	42	107	17	28	252	280	90.0
WHITE	1 Year	75	52	54	78	6	38	265	303	87.5
	2 Years	7	4	16	184	75	30	286	316	90.5
	Total	82	56	70	262	81	68	551	619	89.0

Table 3.1.2 Body Parts - Standard Scores by Child Age/Ethnicity, 1988
(Sample Cases)

		<85	85-99	100-114	115+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
1 Year		98	170	142	57	67	467	534	87.4
2 Years		81	193	224	23	57	521	578	90.1
Total		179	363	366	80	124	988	1112	88.8
RACE OF CHILD	AGE OF CHILD								
HISPANIC	1 Year	26	36	16	7	15	85	100	85.0
	2 Years	26	45	29	0	13	100	113	88.5
	Total	52	81	45	7	28	185	213	86.9
BLACK	1 Year	32	44	36	5	14	117	131	89.3
	2 Years	32	63	36	4	14	135	149	90.6
	Total	64	107	72	9	28	252	280	90.0
WHITE	1 Year	40	90	90	45	38	265	303	87.5
	2 Years	23	85	159	19	30	286	316	90.5
	Total	63	175	249	64	68	551	619	89.0

Table 3.1.3 Body Parts - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
1 Year		15.8	34.7	33.3	16.2	100.0	100.0	15.0
2 Years		10.2	32.8	50.5	6.6	100.0	100.0	15.0
Total		12.8	33.7	42.4	11.1	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	1 Year	33.2	40.2	17.7	8.9	100.0	92.5	14.3
	2 Years	26.1	48.8	25.1		100.0	88.2	19.5
	Total	29.2	45.0	21.8	4.0	100.0	90.1	17.5
BLACK	1 Year	28.8	34.5	31.8	4.9	100.0	93.9	13.7
	2 Years	24.0	47.6	25.5	2.8	100.0	91.9	16.3
	Total	26.2	41.8	28.3	3.7	100.0	92.8	15.2
WHITE	1 Year	11.8	34.2	35.1	19.0	100.0	101.8	14.8
	2 Years	5.7	28.0	58.3	8.1	100.0	102.9	12.8
	Total	8.6	31.0	47.2	13.3	100.0	102.4	13.8

Table 3.1.4 Body Parts - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
1 Year		1.5	17.2	24.6	17.5	15.8	11.9	11.4	100.0	49.1	29.6
2 Years		2.7	10.2	13.2	29.1	20.7	24.1		100.0	53.8	25.1
Total		2.1	13.5	18.5	23.7	18.4	18.4	5.3	100.0	51.6	27.4
RACE OF CHILD	AGE OF CHILD										
HISPANIC	1 Year	3.7	35.6	25.7	15.1	9.7	4.4	5.9	100.0	34.4	27.2
	2 Years	9.4	27.5	15.6	30.0	13.1	4.3		100.0	34.4	24.6
	Total	6.8	31.1	20.1	23.4	11.6	4.4	2.6	100.0	34.4	25.8
BLACK	1 Year	3.3	27.5	23.1	27.6	9.8	5.6	3.2	100.0	37.6	26.1
	2 Years	4.8	23.7	27.6	24.0	9.2	10.7		100.0	37.8	25.3
	Total	4.1	25.4	25.6	25.6	9.5	8.4	1.4	100.0	37.7	25.7
WHITE	1 Year	1.0	13.7	24.8	15.9	17.5	13.7	13.4	100.0	52.5	29.5
	2 Years	1.5	5.6	10.0	30.1	23.8	29.0		100.0	59.2	22.5
	Total	1.3	9.5	17.0	23.3	20.8	21.7	6.4	100.0	56.0	26.3

Table 3.2.1 Memory for Location - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-3	4-6	7-9	10	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
Under 2 Years		57	167	155	132	38	180	549	729	75.3
2 Years		51	2	77	224	153	69	500	569	87.9
3 Years		14			66	129	24	209	233	89.7
Total		122	169	225	422	320	273	1258	1531	82.2
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 2 Years	12	30	28	25	8	35	103	138	74.6
	2 Years	8		13	51	21	17	93	110	84.5
	3 Years	3			14	28	7	45	52	86.5
	Total	23	30	41	90	57	59	241	300	80.3
BLACK	Under 2 Years	12	38	36	31	11	53	128	181	70.7
	2 Years	20	2	20	51	32	22	125	147	85.0
	3 Years	2			22	30	10	54	64	84.4
	Total	34	40	56	104	73	85	307	392	78.3
WHITE	Under 2 Years	33	99	91	76	19	92	318	410	77.6
	2 Years	23		37	122	100	30	282	312	90.4
	3 Years	9			30	71	7	110	117	94.0
	Total	65	99	128	228	190	129	710	839	84.6

Table 3.2.2 Memory for Location - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		<85	85-99	100-114	115+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
Under 2 Years		98	188	155	108	179	549	728	75.4
2 Years		77	172	210	41	69	500	569	86.5
3 Years		25	38	146	0	24	209	233	89.7
Total		200	398	511	149	272	1258	1530	82.3
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 2 Years	15	37	30	21	35	103	138	74.6
	2 Years	8	44	36	5	17	93	110	84.5
	3 Years	3	10	32	0	7	45	52	86.5
	Total	26	91	98	26	59	241	300	80.3
BLACK	Under 2 Years	24	43	32	29	53	128	181	70.7
	2 Years	33	42	43	7	22	125	147	85.0
	3 Years	6	12	36	0	10	54	64	84.4
	Total	63	97	111	36	85	307	392	78.3
WHITE	Under 2 Years	59	108	93	58	91	318	409	77.8
	2 Years	36	86	131	29	30	291	312	90.7
	3 Years	16	16	78	0	7	110	117	94.0
	Total	111	219	302	87	128	719	847	84.9

Table 3.2.3 Memory for Location - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 2 Years		18.4	32.7	29.7	19.2	100.0	100.0	15.0
2 Years		12.8	31.8	46.0	9.4	100.0	100.0	15.0
3 Years		12.4	16.7	70.9		100.0	100.0	15.0
Total		15.2	29.9	42.7	12.3	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 2 Years	16.1	33.3	29.7	20.9	100.0	100.6	15.3
	2 Years	9.0	50.5	33.7	6.7	100.0	97.4	16.1
	3 Years	5.3	23.8	70.8		100.0	101.3	15.1
	Total	11.4	38.6	38.5	11.5	100.0	99.4	15.7
BLACK	Under 2 Years	19.9	32.7	25.2	22.2	100.0	99.6	16.2
	2 Years	26.4	32.2	35.3	6.1	100.0	94.3	18.6
	3 Years	12.5	22.5	65.0		100.0	98.8	15.1
	Total	21.3	30.6	36.7	11.3	100.0	97.2	17.3
WHITE	Under 2 Years	18.4	32.6	30.4	18.6	100.0	100.0	14.8
	2 Years	10.6	29.9	49.2	10.3	100.0	101.3	13.8
	3 Years	13.2	14.6	72.2		100.0	100.1	15.0
	Total	14.5	28.9	44.1	12.5	100.0	100.5	14.4

Table 3.2.4 Memory for Location - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
Under 2 Years		21.7	26.8	10.9	15.9	9.[illegible]	14.9	100.0	49.4	30.2
2 Years		17.2	15.0	17.6	42.0	8.2		100.0	51.3	27.1
3 Years		11.5	12.0	8.6	67.9			100.0	56.1	22.2
Total		18.2	19.6	13.2	34.9	7.6	6.5	100.0	51.3	27.8
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 2 Years	20.4	27.2	11.7	14.6	11.7	14.6	100.0	50.8	29.6
	2 Years	11.8	23.7	20.4	38.7	5.4		100.0	50.3	24.5
	3 Years	2.2	15.6	8.9	73.3			100.0	60.6	16.9
	Total	13.7	23.7	14.5	3.9	7.1	6.2	100.0	52.4	25.3
BLACK	Under 2 Years	21.9	27.3	10.9	11.7	10.2	18.0	100.0	49.6	31.5
	2 Years	28.0	12.8	19.2	34.4	5.6		100.0	44.4	29.4
	3 Years	11.1	18.5	9.3	61.1			100.0	53.7	22.3
	Total	22.5	19.9	14.0	29.6	6.5	7.5	100.0	48.2	29.0
WHITE	Under 2 Years	22.0	26.4	10.7	17.9	9.1	13.8	100.0	48.9	29.9
	2 Years	14.2	13.1	16.0	46.5	10.3		100.0	54.8	26.3
	3 Years	15.5	7.3	8.2	69.1			100.0	55.4	23.9
	Total	17.9	18.2	12.4	37.2	8.2	6.2	100.0	52.2	27.5

Table 3.3.1 Verbal Memory Parts A & B - Raw Scores by Child Age/Ethnicity: Sample cases, 1988

		0-4	5-9	10-14	15-19	20-24	25-29	30	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
3 Years		71	123	160	124	63	18	1	77	560	637	87.9
4 Years		22	45	99	122	163	74	3	43	528	571	92.5
5 Years		5	7	30	56	107	73	4	23	282	305	92.5
6 Years		1	2	1	13	17	26	3	6	63	69	91.3
Total		99	177	290	315	350	191	11	149	1433	1582	90.6
RACE OF CHILD	AGE OF CHILD											
HISPANIC	3 Years	17	27	21	20	8	1		20	94	114	82.5
	4 Years	6	9	31	23	20	5		12	94	106	88.7
	5 Years	2	1	11	11	17	8	1	4	51	55	92.7
	6 Years	1		1	9	6	9		2	26	28	92.9
	Total	26	37	64	63	51	23	1	38	265	303	87.5
BLACK	3 Years	13	27	48	38	20	4		18	150	168	89.3
	4 Years	2	15	28	35	53	15		10	148	158	93.7
	5 Years		1	8	18	32	24	1	1	84	85	98.8
	6 Years				1	4	9	1		15	15	100.0
	Total	15	43	84	92	109	52	2	29	397	426	93.2
WHITE	3 Years	41	69	91	66	35	13	1	39	316	355	89.0
	4 Years	14	21	40	64	90	54	3	21	286	307	93.2
	5 Years	3	5	11	27	58	41	2	18	147	165	89.1
	6 Years		2		3	7	8	2	4	22	26	84.6
	Total	58	97	142	160	190	116	8	82	771	853	90.4

Table 3.3.2 Verbal Memory Parts A & B - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
3 Years		2	87	183	204	77	7	77	560	637	87.9
4 Years		26	106	170	199	27	0	43	528	571	92.5
5 Years		25	38	97	112	12	0	23	284	307	92.5
6 Years		7	12	20	21	3	0	6	63	69	91.3
Total		60	243	470	536	119	7	149	1435	1584	90.6
RACE OF CHILD	AGE OF CHILD										
HISPANIC	3 Years	2	19	40	24	8	1	20	114	94	82.5
	4 Years	6	34	29	24	1	0	12	106	94	88.7
	5 Years	6	14	14	15	2	0	4	55	51	92.7
	6 Years	5	7	7	7	0	0	2	28	26	92.9
	Total	19	74	90	70	11	1	38	303	265	87.5
BLACK	3 Years	0	18	42	68	18	4	18	168	150	89.3
	4 Years	6	28	54	58	2	0	10	158	148	93.7
	5 Years	7	8	28	39	3	0	1	86	85	98.8
	6 Years	0	1	6	7	1	0	0	15	15	100.0
	Total	13	55	130	172	24	4	29	427	398	93.2
WHITE	3 Years	0	50	101	112	51	2	39	355	316	89.0
	4 Years	14	44	87	117	24	0	21	307	286	93.2
	5 Years	12	16	55	58	7	0	18	166	148	89.2
	6 Years	2	4	7	7	2	0	4	26	22	84.6
	Total	28	114	250	294	84	2	82	854	772	90.4

Table 3.3.3 Verbal Memory Parts A & B - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD											
3 Years			0.1	17.0	28.8	36.0	16.9	1.1	100.0	100.5	14.7
4 Years			4.4	16.9	29.6	41.6	7.5		100.0	96.5	14.1
5 Years		0.4	7.5	11.1	33.5	43.1	4.5		100.0	95.3	16.4
6 Years			6.2	20.3	26.8	38.5	8.1		100.0	94.2	16.5
Total		0.1	3.3	16.0	29.9	39.5	10.9	0.5	100.0	97.9	15.1
RACE OF CHILD	AGE OF CHILD										
HISPANIC	3 Years		2.1	21.5	43.6	23.3	8.0	1.4	100.0	94.4	14.2
	4 Years		8.3	34.9	28.7	27.2	0.9		100.0	88.7	13.6
	5 Years		13.0	26.7	27.3	28.5	4.5		100.0	89.5	18.0
	6 Years		18.3	29.7	30.6	21.4			100.0	84.2	16.8
	Total		8.1	28.3	33.7	25.5	3.9	0.5	100.0	90.3	15.4
BLACK	3 Years			11.5	27.4	44.9	13.0	3.1	100.0	102.6	13.7
	4 Years		4.2	17.3	36.3	40.8	1.4		100.0	94.7	12.6
	5 Years	1.8	7.1	9.0	30.5	48.1	3.6		100.0	95.4	19.1
	6 Years			7.1	36.8	49.3	6.8		100.0	101.1	10.9
	Total	0.4	3.1	12.9	31.8	44.3	6.4	1.1	100.0	98.8	15.0
WHITE	3 Years			17.7	27.9	35.3	18.3	0.7	100.0	100.6	14.8
	4 Years		4.1	14.9	28.0	43.3	9.7		100.0	97.8	14.2
	5 Years		7.0	10.1	34.9	43.3	4.7		100.0	95.8	15.2
	6 Years		2.6	21.9	19.4	42.6	13.4		100.0	96.1	16.2
	Total		2.8	15.4	29.1	39.8	12.6	0.3	100.0	98.6	14.8

Table 3.3.4 Verbal Mem... Parts A & B - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	100	Total	Mean	Std Dev
AGE OF CHILD												
3 Years			18.2	24.8	17.1	19.5	10.4	9.6	0.4	100.0	49.3	28.6
4 Years		1.3	27.3	19.9	21.8	21.2	7.2	1.3		100.0	41.1	26.8
5 Years		3.2	21.5	23.9	20.1	21.1	10.2			100.0	42.0	27.0
6 Years		6.4	25.4	22.2	15.9	25.4	4.8			100.0	37.6	27.6
Total		1.4	22.5	22.7	19.4	20.7	8.9	4.3	0.1	100.0	44.3	27.9
RACE OF CHILD	AGE OF CHILD											
HISPANIC	3 Years		26.6	28.7	14.9	18.1	6.4	5.3		100.0	40.0	27.8
	4 Years	2.1	43.6	21.3	21.3	9.6	2.1			100.0	28.9	23.3
	5 Years	5.9	37.3	13.7	23.5	9.8	9.8			100.0	33.7	28.0
	6 Years	7.7	38.5	19.2	15.4	19.2				100.0	27.8	25.0
	Total	2.6	35.9	22.3	18.9	13.6	4.9	1.9		100.0	33.6	26.0
BLACK	3 Years		12.0	23.3	19.3	22.0	13.3	8.7	1.3	100.0	53.9	27.0
	4 Years	0.7	27.7	21.6	21.6	24.3	4.1			100.0	40.0	24.7
	5 Years	2.4	17.7	28.2	12.9	28.2	10.6			100.0	44.7	26.7
	6 Years		13.3	20.0	13.3	46.7	6.7			100.0	52.6	25.4
	Total	0.8	19.1	23.6	18.6	25.1	9.1	3.3	0.5	100.0	46.7	26.0
WHITE	3 Years		18.7	24.4	16.8	18.7	10.1	11.4		100.0	49.8	29.0
	4 Years	1.4	21.7	18.5	22.0	23.4	10.5	2.5		100.0	45.7	27.6
	5 Years	2.7	18.2	25.0	23.0	21.0	10.1			100.0	43.4	26.5
	6 Years	9.1	18.2	27.3	18.2	18.2	9.1			100.0	39.0	28.3
	Total	1.3	19.7	22.4	20.0	20.9	10.2	5.6		100.0	46.7	28.0

Table 3.3.5 Verbal Memory Part C - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-3	4-5	6-8	9-11	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
3 Years		246	168	83	38	3	99	538	637	84.5
4 Years		115	142	117	116	23	58	513	571	89.8
5 Years		36	53	71	93	21	31	274	305	89.8
6 Years		8	7	12	18	16	8	61	69	88.4
Total		405	370	283	265	63	196	1386	1582	87.6
RACE OF CHILD	AGE OF CHILD									
HISPANIC	3 Years	49	27	8	7	1	22	92	114	80.7
	4 Years	30	21	23	13	3	16	90	106	84.9
	5 Years	9	13	12	12	1	8	47	55	85.5
	6 Years	2	6	6	5	5	4	24	28	85.7
	Total	90	67	49	37	10	50	253	303	83.5
BLACK	3 Years	53	52	26	8	1	28	140	168	83.3
	4 Years	23	52	38	25	6	14	144	158	91.1
	5 Years	9	20	18	30	6	2	83	85	97.6
	6 Years			1	7	7		15	15	100.0
	Total	85	124	83	70	20	44	382	426	89.7
WHITE	3 Years	144	89	49	23	1	49	306	355	86.2
	4 Years	62	69	56	78	14	28	279	307	90.9
	5 Years	18	20	41	51	14	21	144	165	87.3
	6 Years	6	1	5	6	4	4	22	26	84.6
	Total	230	179	151	158	33	102	751	853	88.0

Table 3.3.6 Verbal Memory Part C - Standard Scores by Child Age/Ethnicity: Sample cases, 1988

		1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
3 Years		0	0	289	168	65	16	99	538	637	84.5
4 Years		0	120	191	158	40	4	58	513	571	89.8
5 Years		16	60	104	74	21	0	31	276	307	89.9
6 Years		10	11	17	16	7	0	8	61	69	88.4
Total		26	191	601	416	133	20	196	1388	1584	87.6
RACE OF CHILD	AGE OF CHILD										
HISPANIC	3 Years	0	0	54	29	6	3	22	92	114	80.7
	4 Years	0	29	33	24	3	1	16	90	106	84.9
	5 Years	3	16	18	9	1	0	8	47	55	85.5
	6 Years	4	6	8	4	2	0	4	24	28	85.7
	Total	7	51	113	66	12	4	50	253	303	83.5
BLACK	3 Years	0	0	68	50	18	4	28	140	168	83.3
	4 Years	0	36	58	41	9	0	14	144	158	91.1
	5 Years	6	21	28	23	6	0	2	84	86	97.7
	6 Years	0	1	4	7	3	0	0	15	15	100.0
	Total	6	58	158	121	36	4	44	383	427	89.7
WHITE	3 Years	0	0	167	89	41	9	49	306	355	86.2
	4 Years	0	55	100	93	28	3	28	279	307	90.9
	5 Years	8	23	58	42	14	0	21	145	166	87.3
	6 Years	6	4	5	5	2	0	4	22	26	84.6
	Total	14	82	330	229	85	12	102	752	854	88.1

Table 3.3.7 Verbal Memory Part C - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-3	4-5	6-8	9-11	Total	Mean	Std Dev
AGE OF CHILD									
3 Years		45.4	29.2	17.4	7.5	0.5	100.0	1.9	2.2
4 Years		20.3	26.4	21.2	26.1	5.9	100.0	3.9	2.9
5 Years		13.3	15.6	26.4	36.4	8.2	100.0	4.8	2.7
6 Years		15.0	10.4	26.7	22.7	25.3	100.0	5.6	3.3
Total		29.2	25.1	20.8	20.2	4.7	100.0	3.3	2.9
RACE OF CHILD	AGE OF CHILD								
HISPANIC	3 Years	54.7	27.5	10.1	6.9	0.9	100.0	1.6	2.2
	4 Years	35.7	21.8	25.4	14.2	2.8	100.0	2.8	2.8
	5 Years	19.0	26.7	23.5	29.1	1.8	100.0	3.9	2.7
	6 Years	9.3	24.5	33.9	15.7	16.6	100.0	4.8	2.8
	Total	36.7	24.9	20.6	14.5	3.3	100.0	2.8	2.8
BLACK	3 Years	37.7	35.8	20.4	5.2	0.8	100.0	2.1	2.2
	4 Years	15.0	36.6	28.3	16.3	3.9	100.0	3.4	2.6
	5 Years	10.1	23.6	22.1	36.6	7.6	100.0	4.8	2.8
	6 Years			6.4	42.3	51.3	100.0	8.3	1.9
	Total	21.3	31.8	23.2	18.0	5.7	100.0	3.5	2.8
WHITE	3 Years	46.0	28.1	17.4	8.0	0.5	100.0	1.9	2.2
	4 Years	19.9	24.5	19.1	29.7	6.7	100.0	4.1	3.0
	5 Years	13.7	12.3	28.0	37.0	9.0	100.0	4.9	2.7
	6 Years	25.6	8.6	33.4	16.1	16.3	100.0	4.5	3.3
	Total	30.3	23.5	20.3	21.3	4.6	100.0	3.3	2.9

Table 3.3.8 Verbal Memory Part C - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	100	Total	Mean	Std Dev
AGE OF CHILD												
3 Years			10.3	41.5	11.7	11.1	16.4	7.9	1.1	100.0	49.0	27.2
4 Years			31.0	15.2	16.5	15.4	13.8	8.1		100.0	45.0	30.0
5 Years		0.4	23.6	25.4	15.2	22.4	6.9	6.1		100.0	42.3	28.0
6 Years		15.8	36.3	5.6	17.1	15.0	4.8	5.5		100.0	34.1	31.8
Total		0.5	21.2	27.8	14.3	14.9	13.3	7.5	0.5	100.0	45.8	28.7
RACE OF CHILD	AGE OF CHILD											
HISPANIC	3 Years		13.9	47.1	11.9	10.7	10.2	6.3		100.0	42.6	25.2
	4 Years		49.7	7.5	18.5	13.3	7.0	4.0		100.0	34.7	28.6
	5 Years		38.2	20.7	17.1	21.0	1.3	1.8		100.0	33.9	26.2
	6 Years	12.6	55.2	6.7	9.0	10.3	6.2			100.0	23.7	27.3
	Total	1.2	35.8	23.5	15.0	13.5	7.0	4.0		100.0	36.2	27.5
BLACK	3 Years		7.9	40.3	12.9	16.7	13.1	8.0	1.0	100.0	50.4	26.0
	4 Years		33.7	15.8	24.3	14.3	6.9	4.9		100.0	39.4	27.0
	5 Years	1.8	29.6	14.8	20.6	19.2	8.2	5.9		100.0	42.0	29.5
	6 Years		6.4	10.7	31.6	27.8	6.1	17.4		100.0	61.3	24.3
	Total	0.4	22.5	24.1	19.7	16.9	9.4	6.7	0.4	100.0	44.8	27.8
WHITE	3 Years		10.4	41.3	11.5	10.0	17.6	8.0	1.2	100.0	49.2	27.5
	4 Years		28.4	15.8	14.4	15.9	16.2	9.3		100.0	47.5	30.4
	5 Years		20.4	28.9	13.4	23.5	7.1	6.6		100.0	43.2	27.6
	6 Years	25.6	42.1	2.4	13.7	10.7	3.4	2.1		100.0	25.4	29.2
	Total	0.5	19.4	29.1	12.9	14.6	14.9	8.1	0.5	100.0	47.0	28.9

Table 3.4.1 SPPC Global Self-Worth - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4.9	5-9.9	10-14.9	15-19.9	20-24.9	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
8 Years			1	31	149	273	29	454	483	94.0
9 Years		1	2	32	109	186	15	330	345	95.7
10 Years		1	5	17	77	164	15	264	279	94.6
11+ Years			6	56	187	324	32	573	605	94.7
Total		2	14	136	522	947	91	1621	1712	94.7
RACE OF CHILD	AGE OF CHILD									
HISPANIC	8 Years			6	23	46	8	75	83	90.4
	9 Years			7	16	35	3	58	61	95.1
	10 Years	1	1		18	28	4	48	52	92.3
	11+ Years			13	31	41	10	85	95	89.5
	Total	1	1	26	88	150	25	266	291	91.4
BLACK	8 Years			10	64	87	7	161	168	95.8
	9 Years	1	1	10	43	71	5	126	131	96.2
	10 Years		3	5	31	61	2	100	102	98.0
	11+ Years		3	21	73	144	11	241	252	95.6
	Total	1	7	46	211	363	25	628	653	96.2
WHITE	8 Years		1	15	62	140	14	218	232	94.0
	9 Years		1	15	50	80	7	146	153	95.4
	10 Years		1	12	28	75	9	116	125	92.8
	11+ Years		3	22	83	139	11	247	258	95.7
	Total		6	64	223	434	41	727	768	94.7

Table 3.4.2 SPPC Global Self-Worth - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-4.9	5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std Dev
AGE OF CHILD									
8 Years			0.1	6.0	29.7	64.2	100.0	20.2	3.1
9 Years		0.2	1.0	9.7	30.8	58.3	100.0	19.6	3.7
10 Years		0.2	2.3	8.0	26.0	63.6	100.0	19.6	3.8
11+ Years			0.6	8.8	31.2	59.4	100.0	19.8	3.6
Total		0.1	0.8	8.1	29.9	61.2	100.0	19.8	3.5
RACE OF CHILD	AGE OF CHILD								
HISPANIC	8 Years			5.9	31.5	62.6	100.0	20.0	3.0
	9 Years			19.3	26.9	53.7	100.0	19.2	3.6
	10 Years	1.8	2.2		33.8	62.3	100.0	19.6	3.9
	11+ Years			17.8	33.7	48.5	100.0	18.7	3.7
	Total	0.3	0.4	11.9	31.6	55.8	100.0	19.3	3.6
BLACK	8 Years			6.0	40.4	53.5	100.0	19.6	3.2
	9 Years	0.9	0.8	9.0	31.8	57.6	100.0	19.4	4.1
	10 Years		3.6	5.4	29.3	61.6	100.0	19.3	3.7
	11+ Years		1.1	7.8	29.4	61.6	100.0	19.9	3.5
	Total	0.2	1.2	7.3	32.3	59.0	100.0	19.7	3.6
WHITE	8 Years		0.1	6.0	26.2	67.7	100.0	20.4	3.0
	9 Years		1.2	8.4	31.1	59.3	100.0	19.7	3.6
	10 Years		1.6	10.5	23.1	64.8	100.0	19.7	3.7
	11+ Years		0.4	8.0	31.9	59.7	100.0	20.0	3.5
	Total		0.7	7.8	28.5	63.0	100.0	20.0	3.4

Table 3.4.3 SPPC Scholastic Competence - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4.9	5-9.9	10-14.9	15-19.9	20-24.9	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
8 Years			23	115	185	131	29	454	483	94.0
9 Years		1	22	99	129	79	15	330	345	95.7
10 Years			13	77	107	68	14	265	279	95.0
11+ Years		2	30	152	243	146	32	573	605	94.7
Total		3	88	443	664	424	90	1622	1712	94.7
RACE OF CHILD	AGE OF CHILD									
HISPANIC	8 Years		4	21	29	21	8	75	83	90.4
	9 Years		3	18	25	12	3	58	61	95.1
	10 Years		2	16	19	12	3	49	52	94.2
	11+ Years	1	4	20	45	15	10	85	95	89.5
	Total	1	13	75	118	60	24	267	291	91.8
BLACK	8 Years		7	36	71	47	7	161	168	95.8
	9 Years	1	7	29	55	34	5	126	131	96.2
	10 Years		3	31	44	22	2	100	102	98.0
	11+ Years	1	11	58	112	59	11	241	252	95.6
	Total	2	28	154	282	162	25	628	653	96.2
WHITE	8 Years		12	58	85	63	14	218	232	94.0
	9 Years		12	52	49	33	7	146	153	95.4
	10 Years		8	30	44	34	9	116	125	92.8
	11+ Years		15	74	86	72	11	247	258	95.7
	Total		47	214	264	202	41	727	768	94.7

Table 3.4.4 SPPC Scholastic Competence - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-4.9	5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std Dev
AGE OF CHILD									
8 Years			6.6	24.3	39.6	29.6	100.0	16.6	4.2
9 Years		0.2	6.5	28.7	38.6	25.9	100.0	16.2	4.4
10 Years			6.1	28.8	39.7	25.4	100.0	16.3	4.1
11+ Years		0.2	3.8	26.0	40.1	29.8	100.0	16.8	4.1
Total		0.1	5.6	26.6	39.5	28.2	100.0	16.5	4.2
RACE OF CHILD	AGE OF CHILD								
HISPANIC	8 Years		4.7	29.5	36.4	29.4	100.0	16.1	4.1
	9 Years		3.7	31.6	44.2	20.6	100.0	16.3	4.2
	10 Years		3.5	30.3	37.3	28.9	100.0	16.6	4.0
	11+ Years	1.0	3.9	24.0	52.8	18.3	100.0	16.4	3.9
	Total	0.3	4.0	28.3	43.8	23.6	100.0	16.3	4.0
BLACK	8 Years		4.4	23.3	45.1	27.2	100.0	16.9	4.1
	9 Years	0.9	6.6	22.0	41.8	28.7	100.0	16.9	4.5
	10 Years		3.5	31.3	45.0	20.3	100.0	16.3	3.9
	11+ Years	0.3	4.0	23.5	45.8	26.4	100.0	16.8	4.0
	Total	0.3	4.5	24.4	44.7	26.0	100.0	16.7	4.1
WHITE	8 Years		7.4	24.0	38.2	30.3	100.0	16.6	4.2
	9 Years		6.9	30.9	36.6	25.7	100.0	15.9	4.3
	10 Years		7.9	27.4	37.5	27.2	100.0	16.2	4.2
	11+ Years		3.7	28.0	34.4	33.9	100.0	16.9	4.3
	Total		6.2	27.3	36.6	29.9	100.0	16.5	4.3

Table 3.5.1 Digit Span - Total Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4	5-7	8-10	11-13	14-16	17-23	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
7 years		40	156	200	71	10		35	477	512	93.2
8 years		10	93	204.	103	24	2	47	436	483	90.3
9 years		2	42	62	37	12	4	24	160	183	87.4
10 years		2	34	83	81	37	11	31	248	279	88.9
11 + years		1	18	79	77	45	20	40	241	280	86.1
Total		55	343	628	369	128	37	177	1562	1737	89.9
RACE OF CHILD	AGE OF CHILD										
HISPANIC	7 years	10	37	33	8	3		8	91	99	91.9
	8 years	3	17	34	18	2		9	74	83	89.2
	9 years	1	6	11	8			7	26	33	78.8
	10 years	1	7	16	10	8	2	8	44	52	84.6
	11 + years		4	11	13	7	5	11	40	51	78.4
	Total	15	71	105	57	20	7	43	275	318	86.5
BLACK	7 years	16	49	56	27	3		8	151	159	95.0
	8 years	5	33	71	33	9	2	15	153	168	91.1
	9 years	1	19	20	13	8	2	9	64	72	88.9
	10 years		12	39	22	15	3	11	91	102	89.2
	11 + years		9	33	26	15	6	7	90	96	93.8
	Total	22	122	219	121	50	13	50	549	597	92.0
WHITE	7 years	14	70	111	36	4		19	235	254	92.5
	8 years	2	43	99	52	13		23	209	232	90.1
	9 years		17	31	16	4	2	8	70	78	89.7
	10 years	1	15	28	49	14	6	12	113	125	90.4
	11 + years	1	5	35	38	23	9	22	111	133	83.5
	Total	18	150	304	191	58	17	84	738	822	89.8

Table 3.5.2 Digit Span - Standard Scores by Child Age/Ethnicity: Sample cases, 1988

		1-4	5-7	8-9	10-11	12-13	14-19	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
7 Years		34	74	130	117	81	41	35	477	512	93.2
8 Years		10	93	135	88	76	34	47	436	483	90.3
9 Years		10	55	41	26	15	13	23	160	183	87.4
10 Years		20	65	34	59	50	20	31	248	279	88.9
11 + Years		9	62	61	46	45	18	39	241	280	86.1
Total		83	349	401	336	267	126	175	1562	1737	89.9
RACE OF CHILD	AGE OF CHILD										
HISPANIC	7 Years	8	26	24	14	11	8	8	91	99	91.9
	8 Years	3	17	23	15	14	2	9	74	83	89.2
	9 Years	3	9	6	5	3		7	26	33	78.8
	10 Years	3	18	3	8	10	2	8	44	52	84.6
	11 + Years	3	10	6	11	6	4	11	40	51	78.4
	Total	20	80	62	53	44	16	43	275	318	86.5
BLACK	7 Years	14	22	39	34	26	16	8	151	159	95.0
	8 Years	5	33	49	29	21	16	15	153	168	91.1
	9 Years	5	20	15	10	6	8	8	64	72	88.9
	10 Years	7	26	18	15	15	10	11	91	102	89.2
	11 + Years	4	25	30	11	15	5	6	90	96	93.8
	Total	35	126	151	99	83	55	48	549	597	92.0
WHITE	7 Years	12	26	67	69	44	17	19	235	254	92.5
	8 Years	2	43	63	44	41	16	23	209	232	90.1
	9 Years	2	26	20	11	6	5	8	70	78	89.7
	10 Years	10	21	13	36	25	8	12	113	125	90.4
	11 + Years	2	27	25	24	24	9	22	111	133	83.5
	Total	28	143	188	184	140	55	84	738	822	89.8

Table 3.5.3 Digit Span - Total Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-7	8-9	10-11	12-13	14-19	Total	Mean	Std Dev
AGE OF CHILD										
7 years		4.9	14.0	25.2	28.3	19.6	8.0	100.0	9.7	2.8
8 years		1.5	21.0	28.7	21.9	19.6	7.3	100.0	9.7	2.8
9 years		4.5	35.6	27.5	15.3	8.6	8.4	100.0	8.7	3.2
10 years		9.8	24.1	13.2	24.5	20.3	8.1	100.0	9.4	3.4
11+ years		2.3	26.2	24.6	18.4	20.2	8.3	100.0	9.5	3.0
Total		4.3	21.6	24.5	23.1	18.7	7.9	100.0	9.5	3.0
RACE OF CHILD	AGE OF CHILD									
HISPANIC	7 years	7.2	31.5	24.6	16.8	10.4	9.5	100.0	8.8	3.1
	8 years	5.8	23.6	29.3	21.0	17.1	3.2	100.0	9.1	2.9
	9 years	11.4	28.4	31.8	20.1	8.3		100.0	7.8	2.4
	10 years	7.0	39.4	7.7	21.1	19.1	5.6	100.0	8.9	3.6
	11+ years	5.7	19.2	18.3	23.6	18.6	14.6	100.0	9.8	3.3
	Total	7.0	28.4	22.7	20.0	14.7	7.1	100.0	9.0	3.1
BLACK	7 years	8.2	15.4	24.9	23.1	17.1	11.3	100.0	9.5	3.2
	8 years	3.5	21.5	30.8	17.9	15.3	10.9	100.0	9.5	3.1
	9 years	8.0	28.2	22.8	17.9	9.8	13.4	100.0	9.1	3.7
	10 years	6.8	29.3	20.7	17.3	15.4	10.6	100.0	9.2	3.2
	11+ years	3.5	30.4	32.1	11.2	16.6	6.1	100.0	9.0	2.8
	Total	5.8	23.9	26.8	17.8	15.4	10.3	100.0	9.3	3.2
WHITE	7 years	3.7	11.2	25.3	31.3	21.6	6.8	100.0	9.9	2.6
	8 years	0.4	20.5	27.9	23.2	21.2	6.7	100.0	9.8	2.7
	9 years	2.3	39.5	28.8	13.7	8.1	7.6	100.0	8.6	3.0
	10 years	11.6	19.3	10.7	28.3	22.7	7.4	100.0	9.6	3.4
	11+ years	1.1	25.2	21.6	21.3	22.4	8.4	100.0	9.8	3.1
	Total	3.4	19.8	23.9	25.4	20.4	7.2	100.0	9.7	2.9

Table 3.5.4 Digit Span - Forward Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-3	4	5	6	7	8	9-14	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
7 years		91	119	98	69	40	35	27	33	479	512	93.6
8 years		37	93	92	86	52	37	39	47	436	483	90.3
9 years		15	51	22	21	17	14	20	23	160	183	87.4
10 years		18	39	30	46	43	28	44	31	248	279	88.9
11 + years		7	36	34	30	53	33	50	37	243	280	86.8
Total		168	338	276	252	205	147	180	171	1566	1737	90.2
RACE OF CHILD	AGE OF CHILD											
HISPANIC	7 years	28	24	19	9	2	5	5	7	92	99	92.9
	8 years	8	21	11	18	6	5	5	9	74	83	89.2
	9 years	4	12	3	2	4	1		7	26	33	78.8
	10 years	6	8	7	6	5	7	5	8	44	52	84.6
	11 + years	4	4	5	7	5	5	11	10	41	51	80.4
	Total	50	69	45	42	22	23	26	41	277	318	87.1
BLACK	7 years	23	30	32	21	19	16	10	8	151	159	95.0
	8 years	11	25	39	26	21	16	15	15	153	168	91.1
	9 years	3	18	9	9	8	6	11	8	64	72	88.9
	10 years	7	12	13	17	18	11	13	11	91	102	89.2
	11 + years	1	13	15	12	23	13	14	5	91	96	94.8
	Total	45	98	108	85	89	62	63	47	550	597	92.1
WHITE	7 years	40	65	47	39	19	14	12	18	236	254	92.9
	8 years	18	47	42	42	25	16	19	23	209	232	90.1
	9 years	8	21	10	10	5	7	9	8	70	78	89.7
	10 years	5	19	10	23	20	10	26	12	113	125	90.4
	11 + years	2	19	14	11	25	15	25	22	111	133	83.5
	Total	73	171	123	125	94	62	91	83	739	822	89.9

Table 3.5.5 Digit Span - Forward Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-3	4	5	6	7	8	9-14	TOTAL	MEAN	STD DEV
AGE OF CHILD											
7 Years		18.2	26.0	19.5	14.8	9.8	6.9	4.8	100.0	5.1	1.8
8 Years		8.5	20.8	20.7	21.0	12.4	9.2	7.4	100.0	5.7	1.8
9 Years		8.2	33.2	12.5	13.4	9.7	7.9	15.3	100.0	5.8	2.3
10 Years		6.4	15.3	13.8	19.8	17.4	6.6	20.8	100.0	6.4	2.2
11+ Years		2.5	15.3	15.4	10.9	22.4	12.8	20.8	100.0	6.7	2.1
Total		10.2	22.0	17.6	16.6	13.6	8.5	11.5	100.0	5.8	2.1
RACE OF CHILD	AGE OF CHILD										
HISPANIC	7 Years	30.8	24.4	20.2	10.2	3.0	4.6	6.7	100.0	4.6	2.0
	8 Years	12.4	26.9	12.7	27.6	7.0	7.4	6.0	100.0	5.3	1.8
	9 Years	14.1	54.5	12.3	5.5	10.8	2.8		100.0	4.5	1.3
	10 Years	12.8	15.9	21.0	14.0	11.0	15.2	10.1	100.0	5.8	2.1
	11+ Years	7.5	7.6	12.5	13.7	14.0	10.0	34.7	100.0	7.2	2.4
	Total	17.6	23.8	16.3	15.5	7.9	7.8	11.1	100.0	5.4	2.2
BLACK	7 Years	15.1	19.9	19.5	13.5	13.3	11.5	7.3	100.0	5.5	2.0
	8 Years	7.1	16.2	25.5	15.5	13.3	12.4	10.1	100.0	5.9	2.0
	9 Years	4.0	25.9	14.0	16.0	12.2	9.1	18.8	100.0	6.4	2.5
	10 Years	7.6	12.5	15.1	19.2	19.2	11.3	15.1	100.0	6.3	2.1
	11+ Years	0.9	14.1	17.9	12.1	25.3	13.7	16.1	100.0	6.8	2.1
	Total	7.7	17.2	19.3	15.0	16.6	11.8	12.4	100.0	6.1	2.1
WHITE	7 Years	17.3	27.9	19.4	15.8	9.8	5.9	3.8	100.0	5.0	1.7
	8 Years	8.4	21.5	20.2	21.9	12.8	8.4	6.8	100.0	5.6	1.8
	9 Years	9.0	33.3	11.9	13.4	8.5	8.1	15.9	100.0	5.8	2.3
	10 Years	4.8	16.4	12.1	20.9	17.6	3.2	25.0	100.0	6.6	2.3
	11+ Years	2.4	17.3	14.5	9.7	22.4	12.8	20.8	100.0	6.7	2.1
	Total	10.1	23.5	17.2	17.4	13.3	7.4	11.2	100.0	5.7	2.0

Table 3.5.6 Digit Span - Backward Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-2	3	4	5	6	7-11	12	13	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD													
7 years		164	136	116	42	19	2			33	479	512	93.6
8 years		84	107	150	49	32	17			44	439	483	90.9
9 years		26	47	38	23	20	8			21	162	183	88.5
10 years		32	43	62	38	47	27			30	249	279	89.2
11 + years		18	36	64	53	32	38	1	1	37	243	280	86.8
Total		324	369	430	205	150	92	1	1	165	1572	1737	90.5
RACE OF CHILD	AGE OF CHILD												
HISPANIC	7 years	36	25	20	8	3				7	92	99	92.9
	8 years	13	18	25	11	4	3			9	74	83	89.2
	9 years	3	4	10	5	3	2			6	27	33	81.8
	10 years	2	10	10	12	5	5			8	44	52	84.6
	11 + years	1	6	11	10	6	5	1		11	40	51	78.4
	Total	55	63	76	46	21	15	1		[illegible]	277	318	87.1
BLACK	7 years	68	34	31	11	5	2			8	151	159	95.0
	8 years	43	36	48	11	9	6			15	153	168	91.1
	9 years	16	17	12	8	8	3			8	64	72	88.9
	10 years	15	12	24	14	17	10			10	92	102	90.2
	11 + years	8	18	27	18	9	10		1	5	91	96	94.8
	Total	150	117	142	62	48	31		1	46	551	597	92.3
WHITE	7 years	60	77	65	23	11				18	236	254	92.9
	8 years	28	53	77	27	19	8			20	212	232	91.4
	9 years	7	26	16	10	9	3			7	71	78	91.0
	10 years	15	21	28	12	25	12			12	113	125	90.4
	11 + years	9	12	26	25	17	23			21	112	133	84.2
	Total	119	189	212	97	81	46			78	744	822	90.5

Table 3.5.7 Digit Span - Backward Raw Scores by Age/Ethnicity of Children Assessed in 1988 (Weighted Distribution)

		0-2	3	4	5	6	7-11	12	13	TOTAL	MEAN	STD DEV
AGE OF CHILD												
7 Years		28.1	28.0	29.1	9.2	5.2	0.3			100.0	3.2	1.4
8 Years		15.8	24.4	33.6	13.2	9.1	3.9			100.0	3.9	1.4
9 Years		13.7	33.5	24.2	11.8	12.1	4.9			100.0	3.9	1.6
10 Years		15.5	16.3	25.7	12.4	18.7	11.4			100.0	4.5	1.8
11+ Years		6.1	11.9	25.9	23.3	13.3	18.7	0.3	0.5	100.0	5.1	2.0
Total		17.9	23.4	28.9	13.2	10.3	6.2	0.1	0.1	100.0	3.9	1.7
RACE OF CHILD	AGE OF CHILD											
HISPANIC	7 Years	41.7	27.2	21.4	7.2	2.5				100.0	2.8	1.4
	8 Years	19.5	26.8	30.2	14.0	3.5	6.1			100.0	3.7	1.5
	9 Years	11.1	12.1	29.4	27.6	9.4	10.3			100.0	4.3	1.6
	10 Years	5.1	21.9	22.2	27.3	12.3	11.3			100.0	4.7	1.9
	11+ Years	1.6	11.5	26.6	31.7	12.4	12.8	3.4		100.0	5.1	1.9
	Total	20.5	22.2	25.4	18.2	6.6	6.5	0.5		100.0	3.9	1.8
BLACK	7 Years	45.9	23.4	19.3	6.6	3.3	1.4			100.0	2.7	1.6
	8 Years	28.9	22.4	31.5	7.8	5.1	4.3			100.0	3.5	1.5
	9 Years	23.8	25.1	19.3	15.8	11.6	4.3			100.0	3.8	2.0
	10 Years	17.1	12.7	27.4	14.6	18.8	9.4			100.0	4.4	1.7
	11+ Years	7.6	19.2	31.4	19.5	10.0	10.6		1.7	100.0	4.6	1.9
	Total	26.4	20.6	26.3	11.9	8.8	5.7		0.3	100.0	3.7	1.9
WHITE	7 Years	21.2	29.4	33.0	10.2	6.2				100.0	3.4	1.2
	8 Years	11.4	24.7	34.6	14.7	10.9	3.6			100.0	4.0	1.3
	9 Years	10.1	39.6	25.3	8.1	12.6	4.4			100.0	3.9	1.3
	10 Years	16.4	17.0	25.6	9.1	19.7	12.3			100.0	4.4	1.8
	11+ Years	6.0	8.1	22.8	23.8	15.2	24.1			100.0	5.4	2.0
	Total	14.5	24.5	30.3	13.0	11.3	6.4			100.0	4.0	1.6

Table 3.6.1 PIAT MATH - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-9	10-14	15-19	20-29	30-39	40-49	50+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
5 Years		143	272	114	25	1			27	555	582	95.4
6 Years		21	200	169	133	22	5		30	550	580	94.8
7 Years		4	52	85	223	94	30	4	20	492	512	96.1
8 Years		2	17	27	144	158	104	6	25	458	483	94.8
9 Years		1	3	7	63	79	151	21	20	325	345	94.2
10+ Years		1	2	4	29	104	414	277	53	831	884	94.0
Total		172	546	406	617	458	704	308	175	3211	3386	94.8
RACE OF CHILD	AGE OF CHILD											
HISPANIC	5 Years	33	44	19	3				8	99	107	92.5
	6 Years	6	54	38	19	3			10	120	130	92.3
	7 Years	1	13	17	46	16	4		2	97	99	98.0
	8 Years	1	4	6	25	27	12		8	75	83	90.4
	9 Years	1			13	12	26	3	6	55	61	90.2
	10+ Years			1	3	18	68	43	14	133	147	90.5
	Total	42	115	81	109	76	110	46	48	579	627	92.3
BLACK	5 Years	54	82	24	4				5	164	169	97.0
	6 Years	11	74	51	26	4	1		6	167	173	96.5
	7 Years	2	20	40	61	27	5	1	3	156	159	98.1
	8 Years	1	7	14	68	46	27		5	163	168	97.0
	9 Years		2	6	32	29	53	2	7	124	131	94.7
	10+ Years	1	1	3	14	51	185	82	17	337	354	95.2
	Total	69	186	138	205	157	271	85	43	1111	1154	96.3
WHITE	5 Years	56	146	71	18	1			14	292	306	95.4
	6 Years	4	72	80	88	15	4		14	263	277	94.9
	7 Years	1	19	28	116	51	21	3	15	239	254	94.1
	8 Years		6	7	51	85	65	6	12	220	232	94.8
	9 Years		1	1	18	38	72	16	7	146	153	95.4
	10+ Years		1		12	35	161	152	22	361	383	94.3
	Total	61	245	187	303	225	323	177	84	1521	1605	94.8

Table 3.6.2 PIAT MATH - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
5 Years			18	102	189	187	56	2	27	554	581	95.4
6 Years			4	51	244	213	34	4	30	550	580	94.8
7 Years			8	36	212	193	39	3	20	491	511	96.1
8 Years			9	62	183	165	39		25	458	483	94.8
9 Years			8	58	109	122	26	2	20	325	345	94.2
10+ Years		1	31	122	354	263	54	6	53	831	884	94.0
Total		1	78	431	1291	1143	248	17	175	3209	3384	94.8
RACE OF CHILD	AGE OF CHILD											
HISPANIC	5 Years		6	21	37	27	7		8	98	106	92.5
	6 Years		2	12	64	38	3	1	10	120	130	92.3
	7 Years		4	10	42	37	4		2	97	99	98.0
	8 Years		3	8	40	20	4		8	75	83	90.4
	9 Years		1	12	16	23	3		6	55	61	90.2
	10+ Years		4	18	68	32	9	2	14	133	147	90.5
	Total		20	81	267	177	30	3	48	578	626	92.3
BLACK	5 Years		6	41	61	48	7	1	5	164	169	97.0
	6 Years		1	26	80	53	7		6	167	173	96.5
	7 Years		1	16	83	46	8	1	3	155	158	98.1
	8 Years		3	38	68	48	6		5	163	168	97.0
	9 Years		6	29	45	41	3		7	124	131	94.7
	10+ Years	1	14	68	156	88	10		17	337	354	95.2
	Total	1	31	218	493	324	41	2	43	1110	1153	96.3
WHITE	5 Years		6	40	91	112	42	1	14	292	306	95.4
	6 Years		1	13	100	122	24	3	14	263	277	94.9
	7 Years		3	10	87	110	27	2	15	239	254	94.1
	8 Years		3	16	75	97	29		12	220	232	94.8
	9 Years		1	17	48	58	20	2	7	146	153	95.4
	10+ Years		13	36	130	143	35	4	22	361	383	94.3
	Total		27	132	531	642	177	12	84	1521	1605	94.8

Table 3.6.3 PIAT MATH - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD											
5 Years			2.1	15.1	31.0	39.7	11.6	0.4	100.0	98.5	14.5
6 Years			0.6	6.2	40.4	43.2	8.6	0.9	100.0	100.4	11.3
7 Years			1.1	5.0	37.5	45.6	9.8	1.0	100.0	100.7	11.3
8 Years			1.2	9.6	34.6	43.8	10.8		100.0	99.8	11.6
9 Years			1.5	14.6	30.5	43.0	9.7	0.8	100.0	98.8	13.1
10+ Years		0.1	2.9	13.0	38.0	35.8	8.7	1.5	100.0	97.7	13.9
Total		0.0	1.7	10.6	35.9	41.2	9.8	0.8	100.0	99.2	12.8
RACE OF CHILD	AGE OF CHILD										
HISPANIC	5 Years		8.0	20.1	37.0	27.7	7.2		100.0	92.7	14.7
	6 Years		1.3	8.4	55.9	31.6	1.7	1.0	100.0	95.6	9.8
	7 Years		3.1	9.8	43.4	39.2	4.6		100.0	97.0	11.1
	8 Years		4.9	11.9	51.7	26.6	4.9		100.0	94.3	11.6
	9 Years		1.2	20.0	28.2	45.0	5.6		100.0	96.6	13.2
	10+ Years		2.6	13.1	51.0	25.0	6.6	1.7	100.0	96.8	13.0
	Total		3.3	13.2	46.3	31.4	5.0	0.6	100.0	95.7	12.3
BLACK	5 Years		3.1	25.7	37.4	29.3	4.1	0.5	100.0	92.8	13.8
	6 Years		0.7	15.9	49.0	30.7	3.6		100.0	95.3	10.4
	7 Years		0.6	9.2	52.7	31.3	5.4	0.8	100.0	96.8	10.8
	8 Years		1.9	23.3	40.8	30.5	3.5		100.0	93.9	11.8
	9 Years		4.9	22.7	36.3	34.3	1.8		100.0	93.3	12.9
	10+ Years	0.3	4.1	19.3	46.5	27.0	2.8		100.0	92.4	12.9
	Total	0.1	2.8	19.4	44.4	29.7	3.4	0.2	100.0	93.7	12.4
WHITE	5 Years		1.3	11.8	28.6	43.8	14.1	0.4	100.0	100.6	14.1
	6 Years		0.5	3.3	35.9	48.2	10.9	1.2	100.0	102.4	11.1
	7 Years		0.9	3.2	32.4	50.5	11.8	1.2	100.0	102.4	11.0
	8 Years		0.6	5.0	30.7	49.9	13.8		100.0	102.2	10.6
	9 Years		0.2	10.9	28.7	45.9	13.2	1.2	100.0	101.2	12.5
	10+ Years		2.2	9.4	31.0	42.7	12.5	2.3	100.0	100.9	13.6
	Total		1.1	7.2	31.4	46.6	12.6	1.1	100.0	101.6	12.3

Table 3.6.4 PIAT Math - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
5 Years			22.8	20.8	17.1	22.8	10.1	6.5	100.0	47.7	28.9
6 Years			12.1	22.8	27.0	23.7	9.1	5.5	100.0	50.6	23.5
7 Years			9.5	23.7	27.5	24.5	9.7	[illegible]	100.0	51.5	23.6
8 Years			13.8	20.7	28.5	23.2	9.9	[illegible]	100.0	49.8	24.5
9 Years			20.6	19.2	19.2	27.4	9.0	[illegible]	100.0	48.0	26.8
10+ Years		0.1	21.2	20.3	26.3	20.2	5.4	[illegible]	100.0	45.6	26.7
Total		0.0	16.9	21.3	24.6	23.1	8.6	[illegible]	100.0	48.6	25.9
RACE OF CHILD	AGE OF CHILD										
HISPANIC	5 Years		37.7	24.8	10.5	17.8	7.2	2.1	100.0	36.8	28.5
	6 Years		18.1	34.5	30.4	13.7	1.0	2.3	100.0	39.8	20.4
	7 Years		15.3	23.6	37.4	16.2	6.0	1.6	100.0	44.2	22.3
	8 Years		23.1	36.4	21.5	14.1	4.9		100.0	38.7	22.8
	9 Years		32.0	15.1	14.9	32.4	1.1	4.5	100.0	43.6	27.6
	10+ Years		17.9	31.4	24.2	16.3	4.7	5.5	100.0	43.0	25.6
	Total		22.6	28.6	24.3	17.4	4.2	2.9	100.0	41.2	24.6
BLACK	5 Years		36.8	25.0	14.1	17.8	3.0	3.3	100.0	36.2	27.0
	6 Years		22.0	34.6	22.4	15.2	4.5	1.3	100.0	39.9	22.2
	7 Years		12.0	41.6	22.8	16.7	4.1	2.8	100.0	42.6	22.7
	8 Years		31.3	22.9	22.9	16.9	5.6	0.4	100.0	37.6	24.4
	9 Years		35.7	17.8	22.1	20.9	2.8	0.6	100.0	37.3	25.2
	10+ Years	0.3	30.3	28.2	23.9	13.5	2.9	0.9	100.0	35.3	23.3
	Total	0.1	28.4	28.5	21.8	16.0	3.6	1.5	100.0	37.5	24.1
WHITE	5 Years		17.5	19.2	18.6	24.7	12.3	7.8	100.0	51.9	28.3
	6 Years		8.6	18.0	27.7	27.3	11.4	7.0	100.0	55.0	22.9
	7 Years		7.9	18.7	27.4	27.9	11.8	6.2	100.0	55.1	23.1
	8 Years		7.3	18.2	31.0	26.3	11.8	5.4	100.0	54.9	22.8
	9 Years		13.4	20.2	18.7	29.1	12.5	6.2	100.0	52.6	26.0
	10+ Years		16.5	13.9	28.1	24.8	7.0	9.8	100.0	52.0	26.7
	Total		12.1	17.7	25.6	26.4	10.9	7.3	100.0	53.5	25.2

Table 3.7.1 PIAT Reading Recognition - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-9	10-14	15-19	20-29	30-39	40-49	50+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
5 Years		163	114	243	17	2			43	539	582	92.6
6 Years		16	35	306	152	25	9	1	36	544	580	93.8
7 Years			7	67	230	125	45	16	22	490	512	95.7
8 Years			2	11	130	158	114	43	25	458	483	94.8
9 Years				3	57	77	120	71	17	328	345	95.1
10+ Years				3	57	98	223	449	54	830	884	93.9
Total		179	158	633	643	485	511	580	197	3189	3386	94.2
RACE OF CHILD	AGE OF CHILD											
HISPANIC	5 Years	44	16	33	4				10	97	107	90.7
	6 Years	8	16	57	31	6	1		11	119	130	91.5
	7 Years		5	14	43	25	6	3	3	96	99	97.0
	8 Years		1	4	21	26	14	9	8	75	83	90.4
	9 Years				10	11	27	9	4	57	61	93.4
	10+ Years				8	19	36	72	12	135	147	91.8
	Total	52	38	108	117	87	84	93	48	579	627	92.3
BLACK	5 Years	44	39	75	1	1			9	160	169	94.7
	6 Years	2	7	99	50	5	1		9	164	173	94.8
	7 Years		1	24	86	30	12	2	4	155	159	97.5
	8 Years			5	63	55	30	9	6	162	168	96.4
	9 Years			2	27	36	38	23	5	126	131	96.2
	10+ Years			1	33	42	105	156	17	337	354	95.2
	Total	46	47	206	260	169	186	190	50	1104	1154	95.7
WHITE	5 Years	75	59	135	12	1			24	282	306	92.2
	6 Years	6	12	150	71	14	7	1	16	261	277	94.2
	7 Years		1	29	101	70	27	11	15	239	254	94.1
	8 Years		1	2	46	77	70	25	11	221	232	95.3
	9 Years			1	20	30	55	39	8	145	153	94.8
	10+ Years			2	16	37	82	221	25	358	383	93.5
	Total	81	73	319	266	229	241	297	99	1506	1605	93.8

Table 3.7.2 PIAT Reading Recognition - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
5 Years			3	71	132	181	142	9	43	538	581	92.6
6 Years			3	19	242	238	38	4	36	544	580	93.8
7 Years				35	167	192	85	11	22	490	512	95.7
8 Years			7	46	124	201	78	2	25	458	483	94.8
9 Years			7	38	89	137	51	6	17	328	345	95.1
10+ Years		1	26	117	277	294	101	14	54	830	884	93.9
Total		1	46	326	1031	1243	495	46	197	3188	3385	94.2
RACE OF CHILD	AGE OF CHILD											
HISPANIC	5 Years		1	19	30	33	13	1	10	97	107	90.7
	6 Years		1	12	57	40	7	2	11	119	130	91.5
	7 Years			12	34	33	16	1	3	96	99	97.0
	8 Years		4	6	26	27	12		8	75	83	90.4
	9 Years		1	7	14	26	7	2	4	57	61	93.4
	10+ Years		1	23	38	46	21	6	12	135	147	91.8
	Total		8	79	199	205	76	12	48	579	627	92.3
BLACK	5 Years			18	39	55	47	1	9	160	169	94.7
	6 Years			2	71	83	7	1	9	164	173	94.8
	7 Years			9	65	57	23	1	4	155	159	97.5
	8 Years		1	27	53	68	12	1	6	162	168	96.4
	9 Years		3	19	42	45	15	2	5	126	131	96.2
	10+ Years		19	56	137	99	23	3	17	337	354	95.2
	Total		23	131	407	407	127	9	50	1104	1154	95.7
WHITE	5 Years		2	34	63	93	82	7	24	281	305	92.1
	6 Years		2	5	114	115	24	1	16	261	277	94.2
	7 Years			14	68	102	46	9	15	239	254	94.1
	8 Years		2	13	45	106	54	1	11	221	232	95.3
	9 Years		3	12	33	66	29	2	8	145	153	94.8
	10+ Years	1	6	38	102	149	57	5	25	358	383	93.5
	Total	1	15	116	425	631	292	25	99	1505	1604	93.8

Table 3.7.3 PIAT Reading Recognition - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD											
5 Years			0.2	12.0	21.4	34.4	29.1	2.9	100.0	105.6	14.6
6 Years			0.5	2.4	40.6	46.3	9.5	0.7	100.0	102.3	10.0
7 Years				5.3	31.1	39.9	20.9	2.9	100.0	104.4	13.1
8 Years			0.8	7.2	23.7	45.7	22.4	0.2	100.0	104.4	12.8
9 Years			2.0	9.5	24.5	44.1	17.9	1.9	100.0	102.7	14.1
10+ Years		0.3	2.8	12.5	31.1	35.8	15.8	1.8	100.0	100.3	15.5
Total		0.1	1.1	8.4	29.4	40.4	18.9	1.7	100.0	103.0	13.7
RACE OF CHILD	AGE OF CHILD										
HISPANIC	5 Years		0.7	17.4	33.2	33.1	14.9	0.7	100.0	99.2	14.6
	6 Years		0.6	9.3	48.0	35.7	4.8	1.6	100.0	99.1	10.5
	7 Years			12.4	37.2	32.9	16.5	0.9	100.0	100.2	14.2
	8 Years		6.1	7.9	33.6	35.7	16.8		100.0	99.7	16.1
	9 Years		2.2	10.9	20.6	44.8	18.2	3.2	100.0	103.5	15.6
	10+ Years		0.5	17.0	26.1	33.7	18.1	4.7	100.0	102.0	15.8
	Total		1.4	12.9	33.6	35.4	14.6	2.1	100.0	100.6	14.6
BLACK	5 Years			11.6	22.9	35.6	29.4	0.5	100.0	104.6	14.2
	6 Years			1.1	43.2	51.0	4.0	0.6	100.0	101.6	7.8
	7 Years			5.0	41.3	37.3	15.5	0.8	100.0	100.7	11.8
	8 Years		0.6	16.3	33.5	42.0	7.0	0.6	100.0	98.8	13.2
	9 Years		2.4	13.9	31.6	37.3	13.4	1.4	100.0	99.3	14.6
	10+ Years		6.2	15.6	41.0	29.5	6.8	1.0	100.0	95.4	14.0
	Total		2.4	11.5	36.7	37.0	11.5	0.9	100.0	99.2	13.4
WHITE	5 Years		0.2	11.6	19.7	34.3	30.5	3.7	100.0	106.5	14.5
	6 Years		0.6	1.8	38.9	46.5	11.6	0.5	100.0	102.9	10.3
	7 Years			4.4	27.3	41.6	23.0	3.7	100.0	106.0	12.9
	8 Years		0.3	4.3	19.5	48.0	27.7	0.2	100.0	106.7	11.6
	9 Years		1.9	7.6	22.4	46.6	19.6	1.8	100.0	103.8	13.4
	10+ Years	0.4	1.2	9.9	26.3	39.9	20.6	1.7	100.0	102.8	15.7
	Total	0.1	0.7	6.7	26.2	42.3	22.1	2.0	100.0	104.7	13.4

Table 3.7.4 PIAT Reading Recognition - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
5 Years			14.9	14.0	10.8	21.1	17.6	21.6	100.0	60.9	29.4
6 Years			3.1	21.9	36.8	26.3	3.2	8.8	100.0	54.5	20.4
7 Years			10.1	21.2	14.7	22.5	19.5	12.0	100.0	58.6	27.1
8 Years			10.3	13.8	17.3	30.8	16.0	11.9	100.0	59.9	26.2
9 Years			13.0	17.9	18.8	23.2	16.3	10.9	100.0	56.1	27.8
10+ Years		0.3	18.9	18.1	21.1	18.2	13.1	10.4	100.0	51.4	29.0
Total		0.1	12.2	17.9	20.4	23.2	13.8	12.5	100.0	56.4	27.1
RACE OF CHILD	AGE OF CHILD										
HISPANIC	5 Years		28.7	16.7	12.3	20.8	9.4	12.1	100.0	47.8	29.9
	6 Years		10.5	27.1	33.0	22.0	1.6	5.7	100.0	47.5	21.5
	7 Years		19.4	25.7	12.0	18.3	13.1	11.5	100.0	50.1	29.6
	8 Years		24.4	12.7	19.9	23.7	6.8	12.5	100.0	50.4	30.2
	9 Years		16.6	11.6	23.9	26.5	3.3	18.2	100.0	57.0	29.0
	10+ Years		20.2	16.2	16.2	20.3	10.3	16.9	100.0	53.7	30.4
	Total		19.5	19.0	19.6	21.5	7.7	12.7	100.0	51.0	28.6
BLACK	5 Years		14.2	13.7	15.5	20.3	13.9	22.4	100.0	59.5	29.2
	6 Years		1.1	23.1	40.0	28.5	3.2	4.1	100.0	53.5	17.1
	7 Years		11.7	28.6	20.6	17.7	12.9	8.5	100.0	51.0	25.6
	8 Years		21.2	18.2	19.8	30.2	4.5	6.2	100.0	48.1	27.2
	9 Years		18.4	23.7	18.1	18.3	12.3	9.2	100.0	49.0	28.9
	10+ Years		25.6	25.8	24.4	12.1	7.9	4.2	100.0	41.3	26.6
	Total		17.3	22.8	23.5	19.4	8.8	8.2	100.0	48.6	26.9
WHITE	5 Years		13.6	13.8	9.3	21.4	19.5	22.4	100.0	62.7	29.0
	6 Years		2.6	20.8	36.4	26.3	3.5	10.4	100.0	55.7	20.8
	7 Years		8.3	18.5	13.4	24.4	22.3	13.1	100.0	61.9	26.4
	8 Years		5.4	12.5	16.3	31.7	20.5	13.5	100.0	64.6	23.9
	9 Years		10.5	16.6	18.3	24.5	19.7	10.4	100.0	58.7	26.8
	10+ Years	0.4	14.8	14.0	20.1	21.3	16.5	12.8	100.0	56.8	28.5
	Total	0.1	9.3	16.0	19.4	24.7	16.4	14.0	100.0	59.9	26.3

Table 3.8.1 PIAT Reading Comprehension - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-9	10-14	15-19	20-29	30-39	40-49	50+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
5 Years		162	114	246	10	1			49	533	582	91.6
6 Years		16	35	348	86	20	8		67	513	580	88.4
7 Years			7	101	218	79	48	4	55	457	512	89.3
8 Years			2	29	148	131	104	23	46	437	483	90.5
9 Years				8	71	84	118	39	25	320	345	92.8
10+ Years				8	75	131	289	317	64	820	884	92.8
Total		178	158	740	608	446	567	383	306	3080	3386	91.0
RACE OF CHILD	AGE OF CHILD											
HISPANIC	5 Years	44	16	34	2				11	96	107	89.7
	6 Years	8	16	72	16	4	1		13	117	130	90.0
	7 Years		5	19	44	12	7	1	11	88	99	88.9
	8 Years		1	7	24	18	14	4	15	68	83	81.9
	9 Years				13	14	24	3	7	54	61	88.5
	10+ Years			2	9	20	56	46	14	133	147	90.5
	Total	52	38	134	108	68	102	54	71	556	627	88.7
BLACK	5 Years	44	39	75		1			10	159	169	94.1
	6 Years	2	7	105	29	5	2		23	150	173	86.7
	7 Years		1	35	78	17	7	1	20	139	159	87.4
	8 Years			14	66	48	28	3	9	159	168	94.6
	9 Years			3	36	29	39	14	10	121	131	92.4
	10+ Years			2	46	57	115	107	27	327	354	92.4
	Total	46	47	234	255	157	191	125	99	1055	1154	91.4
WHITE	5 Years	74	59	137	8				28	278	306	90.8
	6 Years	6	12	171	41	11	5		31	246	277	88.8
	7 Years		1	47	96	50	34	2	24	230	254	90.6
	8 Years		1	8	58	65	62	16	22	210	232	90.5
	9 Years			5	22	41	55	22	8	145	153	94.8
	10+ Years			4	20	54	118	164	23	360	383	94.0
	Total	80	73	372	245	221	274	204	136	1469	1605	91.5

Table 3.8.2 PIAT Reading Comprehension - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
5 Years				1	47	71	5	49	124	173	71.7
6 Years				108	184	41	7	67	340	407	83.5
7 Years			26	144	183	66	7	55	426	481	88.6
8 Years		7	44	132	171	76	4	46	434	480	90.4
9 Years		12	44	97	127	37	3	25	320	345	92.8
10+ Years		34	140	295	275	69	7	64	820	884	92.8
Total		53	254	777	987	360	33	306	2464	2770	89.0
RACE OF CHILD	AGE OF CHILD										
HISPANIC	5 Years				9	10		11	19	30	63.3
	6 Years			18	34	9	1	13	62	75	82.7
	7 Years		4	31	33	8	1	11	77	88	87.5
	8 Years	4	6	24	19	13	1	15	67	82	81.7
	9 Years		11	14	24	5		7	54	61	88.5
	10+ Years	6	18	48	47	13	1	14	133	147	90.5
	Total	10	39	135	166	58	4	71	412	483	85.3
BLACK	5 Years			1	14	26		10	41	51	80.4
	6 Years			38	60	7	4	23	109	132	82.6
	7 Years		10	48	61	9	1	20	129	149	86.6
	8 Years	2	25	50	69	13		9	159	168	94.6
	9 Years	6	18	43	41	12	1	10	121	131	92.4
	10+ Years	18	76	122	93	17	1	27	327	354	92.4
	Total	26	129	302	338	84	7	99	886	985	89.9
WHITE	5 Years				24	35	5	28	64	92	69.6
	6 Years			52	90	25	2	31	169	200	84.5
	7 Years		12	65	89	49	5	24	220	244	90.2
	8 Years	1	13	58	83	50	3	22	208	230	90.4
	9 Years	6	15	40	62	20	2	8	145	153	94.8
	10+ Years	10	46	125	135	39	5	23	360	383	94.0
	Total	17	86	340	483	218	22	136	1166	1302	89.6

Table 3.8.3 PIAT Reading Comprehension - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD										
5 Years				0.7	33.9	57.9	7.5	100.0	120.5	6.9
6 Years				28.6	54.2	15.6	1.6	100.0	106.1	9.0
7 Years			6.1	27.1	45.0	19.4	2.3	100.0	104.5	12.1
8 Years		0.9	6.8	29.8	41.4	20.3	0.7	100.0	103.7	13.2
9 Years		3.2	11.9	26.0	42.7	14.9	1.4	100.0	101.1	14.3
10+ Years		3.3	15.0	34.4	35.8	10.3	1.2	100.0	97.8	14.0
Total		1.6	8.5	28.5	42.0	17.7	1.7	100.0	102.9	13.6
RACE OF CHILD	AGE OF CHILD									
HISPANIC	5 Years				46.3	53.7		100.0	118.4	6.9
	6 Years			32.3	52.9	12.8	2.0	100.0	105.6	8.6
	7 Years		4.6	36.9	47.5	9.9	1.2	100.0	103.0	10.7
	8 Years	6.8	9.0	34.2	28.5	20.3	1.2	100.0	99.7	16.0
	9 Years		18.8	22.3	43.2	15.7		100.0	100.8	12.9
	10+ Years	4.0	14.7	32.1	37.4	10.7	1.1	100.0	97.7	14.3
	Total	2.5	10.0	30.7	41.2	14.7	1.0	100.0	101.3	13.6
BLACK	5 Years			3.3	35.1	61.6		100.0	118.4	7.0
	6 Years			34.7	54.9	6.9	3.5	100.0	105.2	9.1
	7 Years		7.7	37.4	47.8	6.2	1.0	100.0	100.5	9.8
	8 Years	1.4	15.0	32.6	43.1	8.0		100.0	98.4	12.5
	9 Years	5.2	14.1	32.6	35.7	11.6	0.8	100.0	97.8	14.6
	10+ Years	5.1	23.7	37.3	28.2	5.5	0.2	100.0	92.9	13.4
	Total	3.0	15.0	34.0	37.6	9.5	0.7	100.0	98.0	13.7
WHITE	5 Years				32.6	57.1	10.2	100.0	121.3	6.7
	6 Years			26.7	54.1	18.1	1.1	100.0	106.3	9.1
	7 Years		5.9	23.4	44.1	23.8	2.8	100.0	105.7	12.5
	8 Years	0.2	4.0	28.4	42.3	24.2	0.9	100.0	105.8	12.4
	9 Years	2.9	10.2	24.1	45.1	16.0	1.8	100.0	102.3	14.2
	10+ Years	2.2	10.1	33.1	39.8	12.9	1.8	100.0	100.5	13.6
	Total	1.0	5.9	26.2	43.8	21.0	2.2	100.0	104.9	13.1

Table 3.8.4 PIAT Reading Comprehension - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
5 Years				0.7	4.7	31.7	62.8	100.0	89.1	8.5
6 Years			13.0	34.1	33.2	8.2	11.5	100.0	63.0	17.9
7 Years		6.1	21.2	20.1	26.1	14.8	11.6	100.0	58.9	25.4
8 Years		10.9	15.4	22.2	24.1	13.5	13.9	100.0	57.8	26.6
9 Years		16.6	17.1	22.5	20.4	12.3	11.1	100.0	53.0	28.2
10+ Years		22.4	22.6	16.9	24.1	7.6	6.5	100.0	46.1	28.0
Total		12.1	17.7	20.9	24.3	11.9	13.1	100.0	56.2	27.2
RACE OF CHILD	AGE OF CHILD									
HISPANIC	5 Years				16.1	33.8	50.1	100.0	86.4	9.8
	6 Years		9.5	42.3	33.4	3.7	11.0	100.0	62.1	16.7
	7 Years	4.6	24.4	27.9	28.9	5.7	8.5	100.0	56.0	23.4
	8 Years	21.7	19.2	16.8	17.8	11.2	13.3	100.0	50.3	30.4
	9 Years	18.8	15.6	16.8	29.4	16.2	3.3	100.0	52.9	27.5
	10+ Years	23.8	19.2	20.4	19.9	10.9	5.7	100.0	46.3	28.3
	Total	15.1	17.5	23.0	24.3	10.7	9.5	100.0	53.3	27.2
BLACK	5 Years			3.3	9.5	30.6	56.6	100.0	86.5	11.5
	6 Years		16.1	31.7	39.1	4.5	8.5	100.0	60.9	17.3
	7 Years	7.7	27.9	30.0	23.9	6.0	4.5	100.0	50.5	21.8
	8 Years	18.7	22.7	23.2	23.2	7.7	4.4	100.0	47.1	25.8
	9 Years	22.8	22.4	20.2	12.7	15.8	6.2	100.0	46.5	28.8
	10+ Years	33.6	24.7	17.6	17.8	3.4	2.9	100.0	36.4	26.1
	Total	20.9	22.4	21.5	20.9	7.4	6.9	100.0	46.5	27.3
WHITE	5 Years				2.5	31.9	65.6	100.0	90.1	7.0
	6 Years		12.6	33.8	31.6	9.6	12.3	100.0	63.6	18.2
	7 Years	5.9	19.2	16.8	26.4	18.0	13.7	100.0	61.3	26.0
	8 Years	7.3	12.7	22.5	25.0	15.5	16.9	100.0	61.9	25.2
	9 Years	14.0	15.4	24.2	21.9	10.5	14.0	100.0	55.3	27.7
	10+ Years	15.9	22.0	16.0	28.2	9.3	8.6	100.0	51.4	27.4
	Total	8.5	16.0	20.5	25.5	13.7	15.8	100.0	60.1	26.2

Table 3.9.1 PPVT - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	100+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD													
3-4 Years		1	360	404	273	38	2		3	121	1081	1202	89.9
5-6 Years			17	63	181	77	14	4		57	356	413	86.2
7-8 Years				1	21	42	24	14	17	25	119	144	82.6
9-10 Years				1	2	33	45	74	146	36	301	337	89.3
11+ Years					2	12	28	28	190	41	260	301	86.4
Total		1	377	469	479	202	113	120	356	280	2117	2397	88.3
RACE OF CHILD	AGE OF CHILD												
HISPANIC	3-4 Years		92	62	31	5				31	190	221	86.0
	5-6 Years		7	23	31	9	1	1		12	72	84	85.7
	7-8 Years			1	11	8	8	2	4	5	34	39	87.2
	9-10 Years				1	8	15	13	20	8	57	65	87.7
	11+ Years				1	2	7	6	26	11	42	53	79.2
	Total		99	86	75	32	31	22	50	67	395	462	85.5
BLACK	3-4 Years		157	105	23	3				33	288	321	89.7
	5-6 Years		9	25	58	10	3			21	105	126	83.3
	7-8 Years				7	23	9	2	1	6	42	48	87.5
	9-10 Years			1	1	20	18	35	33	6	108	114	94.7
	11+ Years				1	9	16	17	60	12	103	115	89.6
	Total		166	131	90	65	46	54	94	78	646	724	89.2
WHITE	3-4 Years	1	111	237	219	30	2		3	57	603	660	91.4
	5-6 Years		1	15	92	58	10	3		24	179	203	88.2
	7-8 Years				3	11	7	10	12	14	43	57	75.4
	9-10 Years					5	12	26	93	22	136	158	86.1
	11+ Years					1	5	5	104	18	115	133	86.5
	Total	1	112	252	314	105	36	44	212	135	1076	1211	88.9

Table 3.9.2 PPVT - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
3-5 Years		30	232	331	419	265	70	8	164	1355	1599	89.2
6-9 Years		3	53	73	65	41	15	1	46	251	297	84.5
10-11 Years		1	64	108	168	97	25	6	54	469	523	89.7
Total		34	349	512	652	403	110	15	264	2075	2419	85.8
RACE OF CHILD	AGE OF CHILD											
HISPANIC	3-5 Years	15	66	62	57	28	4	2	40	234	274	85.4
	6-9 Years	2	24	23	17	5	4		11	75	86	87.2
	10-11 Years		15	29	19	11	4	1	9	79	88	89.8
	Total	17	105	114	93	44	12	3	60	388	448	86.6
BLACK	3-5 Years	12	110	144	77	19	2	1	49	365	414	88.2
	6-9 Years	1	21	37	20	7			11	86	97	88.7
	10-11 Years		41	46	63	15	4	1	13	170	183	92.9
	Total	13	172	227	160	41	6	2	73	621	694	89.5
WHITE	3-5 Years	3	56	125	285	218	64	5	75	756	831	91.0
	6-9 Years		8	13	28	29	11	1	24	90	114	78.9
	10-11 Years	1	8	33	86	71	17	4	32	220	252	87.3
	Total	4	72	171	399	318	92	10	131	1066	1197	89.1

Table 3.9.3 PPVT - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD											
3-5 Years		1.3	11.3	18.7	34.4	25.9	7.6	0.7	100.0	90.7	20.4
6-9 Years		1.0	17.2	21.4	29.8	22.3	7.3	1.0	100.0	88.1	20.0
10-11 Years		0.1	9.8	17.8	35.7	28.5	6.7	1.4	100.0	93.0	16.9
Total		1.0	11.6	18.8	34.2	26.1	7.4	0.9	100.0	90.9	19.7
RACE OF CHILD	AGE OF CHILD										
HISPANIC	3-5 Years	6.0	28.3	26.4	22.5	13.8	1.4	1.6	100.0	75.6	27.4
	6-9 Years	3.5	30.5	28.4	22.3	5.0	10.3		100.0	77.3	24.7
	10-11 Years		17.1	33.2	26.9	15.3	6.2	1.3	100.0	86.1	17.7
	Total	4.1	26.1	28.4	23.5	12.3	4.3	1.2	100.0	78.4	25.3
BLACK	3-5 Years	3.6	30.3	39.5	20.7	5.2	0.5	0.3	100.0	73.6	20.8
	6-9 Years	1.5	23.1	42.8	24.4	8.1			100.0	78.7	16.3
	10-11 Years		23.7	28.6	36.6	7.6	3.0	0.5	100.0	82.3	16.0
	Total	2.3	27.4	36.7	25.8	6.3	1.2	0.3	100.0	76.8	19.4
WHITE	3-5 Years	0.4	5.7	13.6	38.4	31.4	9.7	0.7	100.0	95.7	16.5
	6-9 Years		11.0	10.7	34.1	33.1	9.4	1.8	100.0	95.0	16.7
	10-11 Years	0.1	2.5	10.6	36.6	39.9	8.5	1.8	100.0	98.8	14.2
	Total	0.3	5.6	12.8	37.7	33.1	9.5	1.0	100.0	96.2	16.1

Table 3.9.4 PPVT- Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD															
3-5 Years		5.8	18.1	12.3	9.6	12.8	6.9	8.6	8.0	7.5	5.5	4.9	100.0	37.0	29.0
6-9 Years		7.4	24.8	15.0	7.0	12.1	3.1	9.4	7.4	5.2	5.1	3.6	100.0	32.0	28.9
10-11 Years		4.1	16.6	13.6	9.3	13.0	6.7	9.1	9.3	8.3	6.3	3.7	100.0	38.2	28.4
Total		5.6	18.5	12.8	9.3	12.8	6.5	8.8	8.2	7.4	5.7	4.5	100.0	36.8	28.9
RACE OF CHILD	AGE OF CHILD														
HISPANIC	3-5 Years	19.5	31.2	14.1	6.7	9.0	2.3	2.4	5.0	3.0	4.8	2.0	100.0	21.6	27.0
	6-9 Years	22.7	28.6	20.1	1.1	8.4	3.8	0.9	0.9	0.9	11.4	1.2	100.0	21.0	28.2
	10-11 Years	6.4	33.8	13.0	6.7	14.2	3.1	6.1	4.8	4.4	6.2	1.3	100.0	27.5	27.7
	Total	17.1	31.3	15.0	5.6	10.1	2.8	3.0	4.1	2.9	6.5	1.7	100.0	22.9	27.5
BLACK	3-5 Years	16.1	44.9	15.5	6.8	7.6	2.6	3.3	1.1	1.2	0.2	0.7	100.0	13.4	17.8
	6-9 Years	7.2	46.1	23.6	2.0	8.6	4.3	2.0	3.8	2.4			100.0	15.9	18.9
	10-11 Years	10.4	33.4	19.8	9.5	8.1	7.8	2.3	3.5	1.4	3.5	0.5	100.0	20.8	22.9
	Total	13.3	41.7	17.8	7.0	7.9	4.4	2.9	2.1	1.4	1.1	0.5	100.0	15.9	19.8
WHITE	3-5 Years	2.3	11.2	11.4	10.5	14.3	8.2	10.3	9.8	9.3	6.8	6.0	100.0	43.5	27.9
	6-9 Years	3.0	14.9	10.0	10.6	14.7	2.5	14.8	10.7	7.6	5.4	5.8	100.0	41.7	28.4
	10-11 Years	0.9	6.3	10.9	9.7	15.1	6.7	12.6	12.6	12.0	7.6	5.6	100.0	47.7	26.4
	Total	2.1	10.6	11.2	10.3	14.5	7.4	11.1	10.3	9.6	6.8	5.9	100.0	44.1	27.7

Table 3.10.1 The HOME - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-9.9	10-12.9	13-15.9	16-18.9	19+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
Under 3 Years		110	399	718	344		100	1571	1671	94.0
3-5 Years		33	66	196	389	1015	92	1699	1791	94.9
6-9 Years		37	129	308	431	932	83	1837	1920	95.7
10 Years & Older		14	59	126	214	422	49	835	884	94.5
Total		194	653	1348	1378	2369	324	5942	6266	94.8
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 3 Years	26	80	138	43		23	287	310	92.6
	3-5 Years	7	14	45	73	167	22	306	328	93.3
	6-9 Years	3	34	64	62	183	27	346	373	92.8
	10 Years & Older	2	11	27	23	75	9	138	147	93.9
	Total	38	139	274	201	425	81	1077	1158	93.0
BLACK	Under 3 Years	54	143	163	38		18	398	416	95.7
	3-5 Years	17	31	96	150	179	21	473	494	95.7
	6-9 Years	27	61	142	179	201	21	610	631	96.7
	10 Years & Older	12	34	63	114	111	20	334	354	94.4
	Total	110	269	464	481	491	80	1815	1895	95.8
WHITE	Under 3 Years	30	176	417	263		59	886	945	93.8
	3-5 Years	9	21	55	166	669	49	920	969	94.9
	6-9 Years	7	34	102	190	548	35	881	916	96.2
	10 Years & Older		14	36	77	236	20	363	383	94.8
	Total	46	245	610	696	1453	163	3050	3213	94.9

Table 3.10.2 The HOME - Standard Scores by Child Age/Ethnicity: Sample Cases, 1988

		<85	85-99	100-114	115+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
Under 3 Years		350	488	524	209	100	1571	1671	94.0
3-5 Years		378	479	.666	176	92	1699	1791	94.9
6-9 Years		414	591	637	195	83	1837	1920	95.7
10 Years & Older		170	238	307	115	49	830	884	94.5
Total		1312	1796	2134	695	324	5937	6266	94.8
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 3 Years	78	101	87	21	23	287	310	92.6
	3-5 Years	78	97	106	25	22	306	328	93.3
	6-9 Years	92	92	132	30	27	346	373	92.8
	10 Years & Older	31	32	55	20	9	138	147	93.9
	Total	279	322	380	96	81	1077	1158	93.0
BLACK	Under 3 Years	146	145	82	25	18	398	416	95.7
	3-5 Years	176	173	115	9	21	473	494	95.7
	6-9 Years	203	231	147	29	21	610	631	96.7
	10 Years & Older	95	128	91	20	20	334	354	94.4
	Total	620	677	435	83	80	1815	1895	95.8
WHITE	Under 3 Years	126	242	355	163	59	886	945	93.8
	3-5 Years	124	209	445	142	49	920	969	94.9
	6-9 Years	119	268	358	136	35	881	916	96.2
	10 Years & Older	44	78	161	75	20	358	378	94.7
	Total	413	797	1319	516	163	3045	3208	94.9

Table 3.10.3 The HOME - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-84	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 3 Years		16.5	30.1	36.5	17.0	100.0	100.0	15.0
3-5 Years		16.0	24.5	45.1	14.4	100.0	100.0	15.0
6-9 Years		16.2	29.8	39.5	14.5	100.0	100.0	15.0
10 Years & Older		16.4	26.5	39.5	17.6	100.0	100.0	15.0
Total		16.2	27.9	40.3	15.6	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 3 Years	28.6	33.3	30.9	7.1	100.0	94.3	15.5
	3-5 Years	25.8	31.7	34.2	8.3	100.0	94.8	16.1
	6-9 Years	25.3	26.7	36.7	11.2	100.0	96.6	15.8
	10 Years & Older	20.2	25.2	38.4	16.3	100.0	99.3	15.9
	Total	25.5	29.5	34.8	10.2	100.0	95.9	15.9
BLACK	Under 3 Years	36.8	36.8	20.4	5.9	100.0	90.2	16.3
	3-5 Years	35.7	36.2	25.7	2.3	100.0	89.5	15.4
	6-9 Years	32.3	37.1	25.3	5.3	100.0	91.6	15.8
	10 Years & Older	27.9	37.0	28.9	6.2	100.0	93.2	15.1
	Total	33.3	36.8	25.1	4.8	100.0	91.1	15.7
WHITE	Under 3 Years	11.5	28.5	40.0	20.0	100.0	102.4	13.8
	3-5 Years	10.4	21.1	50.7	17.8	100.0	102.9	13.5
	6-9 Years	10.3	28.0	44.1	17.6	100.0	102.9	13.6
	10 Years & Older	9.3	21.0	45.6	24.1	100.0	103.9	13.4
	Total	10.6	25.4	45.0	19.1	100.0	102.9	13.6

Table 3.10.4 The HOME - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
<3 Years		2.4	22.7	14.6	16.9	29.7	9.5	4.2	100.0	47.0	29.3
3-5 Years		3.1	21.6	21.5	13.8	23.8	11.2	5.1	100.0	45.6	28.9
6-9 Years		1.5	26.1	17.5	17.3	23.2	7.9	6.5	100.0	45.4	29.6
10+ Years		1.3	22.4	22.3	12.1	27.2	8.1	6.6	100.0	47.1	29.2
Total		2.2	23.4	18.6	15.5	25.7	9.3	5.5	100.0	46.1	29.3
RACE OF CHILD	AGE OF CHILD										
HISPANIC	<3 Years	2.4	26.7	17.0	18.4	27.8	5.9	1.7	100.0	41.7	27.7
	3-5 Years	3.9	24.6	23.3	12.8	22.3	8.9	4.3	100.0	41.9	28.9
	6-9 Years	0.6	30.4	13.0	19.7	23.1	8.4	4.9	100.0	44.1	29.7
	10+ Years	0.7	28.3	14.5	11.6	29.7	6.5	8.7	100.0	48.0	30.9
	Total	2.0	27.5	17.2	16.3	25.0	7.6	4.4	100.0	43.3	29.1
BLACK	<3 Years	5.0	34.9	18.1	17.6	17.8	5.3	1.3	100.0	34.1	27.4
	3-5 Years	5.1	35.3	28.3	12.7	13.5	4.4	0.6	100.0	31.1	24.4
	6-9 Years	3.1	36.9	22.1	14.6	16.2	3.9	3.1	100.0	34.8	27.8
	10+ Years	3.0	29.3	29.0	12.9	18.9	4.2	2.7	100.0	37.1	27.0
	Total	4.0	34.7	24.1	14.4	16.4	4.4	2.0	100.0	34.1	26.8
WHITE	<3 Years	1.1	15.9	12.3	16.1	35.7	12.5	6.3	100.0	54.5	28.2
	3-5 Years	1.9	13.5	17.4	14.7	29.6	15.4	7.6	100.0	54.3	27.5
	6-9 Years	0.8	16.9	16.1	18.2	28.2	10.4	9.4	100.0	53.2	28.3
	10+ Years		13.8	19.0	11.6	33.9	12.4	9.4	100.0	56.0	27.7
	Total	1.1	15.2	15.7	15.7	31.4	12.8	8.0	100.0	54.2	28.0

Table 3.10.5 The HOME - Cognitive Stimulation Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4	5-6	7-8	9-10	11-12	13+	Valid	Total	% Valid
AGE OF CHILD										
Under 3 Years		216	550	636	122		147	1524	1671	91.2
3-5 Years		25	61	155	334	481	735	1593	1791	88.9
6-9 Years		92	189	392	534	373	340	1689	1920	88.0
10 Years & Older		53	129	216	238	127	121	777	884	87.9
Total		386	929	1399	1228	981	1343	5583	6266	89.1
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 3 Years	46	118	98	13		35	275	310	88.7
	3-5 Years	6	16	37	68	84	117	278	328	84.8
	6-9 Years	20	48	80	103	56	66	319	373	85.5
	10 Years & Older	8	21	43	36	15	24	126	147	85.7
	Total	80	203	258	220	155	242	998	1158	86.2
BLACK	Under 3 Years	83	161	124	20		28	388	416	93.3
	3-5 Years	12	26	58	123	138	137	438	494	88.7
	6-9 Years	48	75	154	168	87	99	554	631	87.8
	10 Years & Older	35	57	96	90	33	43	312	354	88.1
	Total	178	319	432	401	258	307	1692	1895	89.3
WHITE	Under 3 Years	87	271	414	89		84	861	945	91.1
	3-5 Years	7	19	60	143	259	481	877	969	90.5
	6-9 Years	24	66	158	263	230	175	816	916	89.1
	10 Years & Older	10	51	77	112	79	54	339	383	88.5
	Total	128	407	709	607	568	794	2893	3213	90.0

Table 3.10.6 The HOME - Cognitive Stimulation Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
Under 3 Years		1.1	19.9	13.2	25.1	26.3		14.4	100.0	50.9	29.5
3-5 Years		2.2	15.3	13.3	20.4	29.2	19.6		100.0	53.1	28.2
6-9 Years		1.1	18.3	20.0	17.8	20.6	12.3	9.9	100.0	51.6	29.0
10 Years & Older		1.5	17.8	21.6	17.9	16.0	13.6	11.6	100.0	51.3	28.8
Total		1.5	17.8	16.3	20.7	24.2	11.0	8.5	100.0	51.8	28.9
RACE OF CHILD	AGE OF CHILD										
HISPANIC	Under 3 Years	2.8	33.7	15.9	24.2	17.2		6.2	100.0	37.7	28.5
	3-5 Years	4.8	25.3	22.8	16.2	21.4	9.5		100.0	39.5	28.7
	6-9 Years	2.0	29.8	23.0	16.2	16.9	7.8	4.3	100.0	40.9	28.7
	10 Years & Older	1.3	20.3	30.0	20.2	9.9	8.8	9.5	100.0	45.4	27.7
	Total	2.8	28.3	22.1	18.9	17.1	6.3	4.5	100.0	40.4	28.6
BLACK	Under 3 Years	4.2	32.9	16.8	22.3	17.1		6.6	100.0	36.5	29.1
	3-5 Years	5.4	27.6	20.7	21.3	17.9	7.1		100.0	37.8	27.8
	6-9 Years	3.1	29.8	22.9	18.1	13.2	7.8	5.1	100.0	39.9	28.5
	10 Years & Older	4.4	24.6	23.8	19.5	14.0	7.0	6.9	100.0	41.9	28.3
	Total	4.2	28.8	21.1	20.2	15.4	5.7	4.5	100.0	39.0	28.5
WHITE	Under 3 Years	0.4	16.1	12.2	25.7	28.9		16.6	100.0	54.8	28.5
	3-5 Years	1.3	11.6	10.7	20.6	32.5	23.3		100.0	57.8	26.6
	6-9 Years	0.4	13.5	18.8	17.9	23.3	14.2	12.0	100.0	56.3	27.9
	10 Years & Older		13.7	19.0	16.6	18.1	18.0	14.6	100.0	57.5	27.6
	Total	0.6	13.8	14.3	21.0	27.3	12.9	10.1	100.0	56.4	27.7

Table 3.10.7 The HOME - Cognitive Stimulation Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 3 Years		16.2	37.3	32.1	14.4	100.0	100.0	15.0
3-5 Years		17.5	21.7	41.2	19.6	100.0	100.0	15.0
6-9 Years		16.2	29.6	36.8	17.4	100.0	100.0	15.0
10 Years & Older		16.9	27.9	43.6	11.6	100.0	100.0	15.0
Total		16.7	29.3	37.6	16.4	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 3 Years	30.0	40.8	23.0	6.2	100.0	93.2	15.3
	3-5 Years	30.1	30.8	29.6	9.5	100.0	93.0	16.4
	6-9 Years	27.4	33.1	31.5	8.0	100.0	94.6	15.2
	10 Years & Older	19.1	37.0	34.4	9.5	100.0	97.4	14.2
	Total	27.6	35.1	29.2	8.1	100.0	94.2	15.5
BLACK	AGE OF CHILD							
	Under 3 Years	31.8	40.5	21.1	6.6	100.0	92.0	16.5
	3-5 Years	33.0	29.3	30.6	7.1	100.0	92.1	16.4
	6-9 Years	26.6	38.4	24.8	10.2	100.0	93.7	15.9
	10 Years & Older	25.1	33.6	34.5	6.9	100.0	94.7	15.9
	Total	29.1	35.5	27.5	7.9	100.0	93.1	16.2
WHITE	AGE OF CHILD							
	Under 3 Years	12.0	36.3	35.1	16.6	100.0	102.1	14.0
	3-5 Years	12.9	19.1	44.7	23.3	100.0	102.4	13.6
	6-9 Years	11.8	26.5	41.0	20.7	100.0	102.5	14.0
	10 Years & Older	12.9	23.4	50.1	14.6	100.0	103.3	13.7
	Total	12.2	27.0	41.2	19.6	100.0	102.4	13.8

Table 3.10.8 The HOME - Emotional Support Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-3	4-5	6	7	8	9	10-11	12+	VALID	Total	% VALID
AGE OF CHILD												
Under 3 Years		27	162	221	358	428	282		193	1478	1671	88.5
3-5 Years		44	126	139	259	333	296	345	249	1587	1791	88.6
6-9 Years		25	70	87	158	178	249	546	607	1603	1920	83.5
10 Years & Older		5	10	27	54	74	102	222	390	697	884	78.8
Total		101	368	474	829	1013	929	1113	1433	5365	6266	85.6
RACE OF CHILD	AGE OF CHILD											
HISPANIC	Under 3 Years	6	28	49	66	75	45		41	269	310	86.8
	3-5 Years	10	14	22	40	64	51	65	62	273	328	83.2
	6-9 Years	3	7	11	30	37	38	90	157	286	373	76.7
	10 Years & Older	1	1	1	13	12	14	34	71	115	147	78.2
	Total	20	50	83	149	188	148	189	331	943	1158	81.4
BLACK	Under 3 Years	11	75	71	85	88	38		48	368	416	88.5
	3-5 Years	22	65	62	92	92	68	29	64	432	494	87.4
	6-9 Years	15	48	47	68	72	92	134	155	520	631	82.4
	10 Years & Older	4	7	22	24	39	47	86	125	264	354	74.6
	Total	52	195	202	269	291	245	249	392	1584	1895	83.6
WHITE	Under 3 Years	10	59	101	207	265	199		104	841	945	89.0
	3-5 Years	12	47	55	127	177	177	251	123	882	969	91.0
	6-9 Years	7	15	29	60	69	119	322	295	797	916	87.0
	10 Years & Older		2	4	17	23	41	102	194	318	383	83.0
	Total	29	123	189	411	534	536	675	716	2838	3213	88.3

Table 3.10.9 The HOME - Emotional Support Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD											
Under 3 Years		1.9	14.3	20.2	10.5	31.9	15.1	6.2	100.0	52.2	28.4
3-5 Years		1.5	13.6	22.9	12.8	31.6	4.9	12.7	100.0	51.2	28.8
6-9 Years		1.4	16.5	21.8	20.9	17.1	15.3	7.1	100.0	52.0	28.7
10 Years & Older		0.4	20.0	14.4	13.5	36.0	9.5	6.2	100.0	51.6	29.5
Total		1.5	15.4	20.8	14.5	28.0	11.5	8.4	100.0	51.8	28.7
RACE OF CHILD	AGE OF CHILD										
HISPANIC	Under 3 Years	4.1	14.9	19.7	13.1	31.3	12.5	4.4	100.0	48.6	28.8
	3-5 Years	3.4	12.1	24.2	15.1	29.0	5.3	10.8	100.0	49.3	28.1
	6-9 Years	1.8	17.5	22.9	15.7	13.0	21.1	8.1	100.0	52.2	30.3
	10 Years & Older	0.8	22.9	12.4	11.5	29.3	15.9	7.2	100.0	53.0	31.4
	Total	2.7	16.1	20.9	14.2	24.6	13.8	7.7	100.0	50.6	29.6
BLACK	Under 3 Years	4.1	31.0	21.5	8.7	24.8	8.2	1.6	100.0	38.1	29.0
	3-5 Years	4.7	29.4	28.3	14.2	18.2	2.2	3.1	100.0	32.8	25.8
	6-9 Years	4.2	31.8	27.2	14.2	13.4	7.5	1.7	100.0	36.5	28.5
	10 Years & Older	1.2	33.1	20.6	14.4	26.7	3.2	0.7	100.0	36.9	27.4
	Total	3.7	31.2	25.0	13.0	19.9	5.4	1.9	100.0	35.9	27.8
WHITE	Under 3 Years	1.3	11.2	20.0	10.6	33.2	16.6	7.2	100.0	55.1	27.4
	3-5 Years	0.6	10.2	21.6	12.2	34.8	5.5	14.9	100.0	55.4	27.9
	6-9 Years	0.6	12.2	20.1	23.3	18.6	16.7	8.4	100.0	56.3	27.0
	10 Years & Older		12.9	11.6	13.3	41.8	11.7	8.7	100.0	58.8	27.5
	Total	0.8	11.3	19.8	14.9	30.4	12.7	10.1	100.0	55.9	27.5

Table 3.10.10 The HOME - Emotional Support Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 3 Years		16.1	28.4	34.2	21.3	100.0	100.0	15.0
3-5 Years		14.9	34.1	38.4	12.7	100.0	100.0	15.0
6-9 Years		15.2	25.0	37.7	22.1	100.0	100.0	15.0
10 Years & Older		20.4	26.5	37.4	15.7	100.0	100.0	15.0
Total		16.0	28.9	36.8	18.3	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 3 Years	19.5	30.4	33.2	17.0	100.0	97.4	17.0
	3-5 Years	15.6	37.5	36.2	10.8	100.0	98.6	15.6
	6-9 Years	16.3	26.8	28.0	28.8	100.0	100.3	15.5
	10 Years & Older	23.7	23.3	30.0	23.1	100.0	101.0	15.8
	Total	18.0	30.1	31.9	20.0	100.0	99.2	16.1
BLACK	Under 3 Years	34.7	28.5	27.0	9.8	100.0	92.4	16.7
	3-5 Years	33.7	40.4	22.8	3.1	100.0	90.0	15.4
	6-9 Years	32.1	31.5	27.2	9.2	100.0	91.4	16.6
	10 Years & Older	34.3	34.7	27.1	3.9	100.0	92.4	14.6
	Total	33.5	33.8	26.0	6.7	100.0	91.4	15.9
WHITE	Under 3 Years	12.4	28.2	35.6	23.8	100.0	101.6	14.0
	3-5 Years	10.7	32.4	42.0	14.9	100.0	102.3	13.9
	6-9 Years	10.3	23.0	41.8	24.9	100.0	102.4	13.5
	10 Years & Older	12.9	22.9	43.8	20.4	100.0	103.7	13.6
	Total	11.3	27.5	40.1	21.0	100.0	102.2	13.8

Table 3.11.1 Temperament: Activity - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-4	5-9	10-14	15-19	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
Under 1 Year		49	266	198	31	16	544	560	97.1
Total		49	266	198	31	16	544	560	97.1
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	10	45	36	4	3	95	98	96.9
	Total	10	45	36	4	3	95	98	96.9
BLACK	Under 1 Year	7	59	53	14	2	133	135	98.5
	Total	7	59	53	14	2	133	135	98.5
WHITE	Under 1 Year	32	162	109	13	11	316	327	96.6
	Total	32	162	109	13	11	316	327	96.6

Table 3.11.2 Temperament: Activity - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-9	10-14	15-19	TOTAL	MEAN	STD DEV
AGE OF CHILD								
Under 1 Year		6.8	51.6	35.8	5.8	100.0	8.8	3.2
Total		6.8	51.6	35.8	5.8	100.0	8.8	3.2
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	8.2	52.0	35.6	4.2	100.0	8.5	3.1
	Total	8.2	52.0	35.6	4.2	100.0	8.5	3.1
BLACK	Under 1 Year	5.8	45.2	37.9	11.0	100.0	9.5	3.3
	Total	5.8	45.2	37.9	11.0	100.0	9.5	3.3
WHITE	Under 1 Year	6.8	52.7	35.4	5.0	100.0	8.7	3.1
	Total	6.8	52.7	35.4	5.0	100.0	8.7	3.1

Table 3.11.3 Temperament: Predictability - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-4	5-9	10-14	15-19	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
Under 1 Year		4	71	314	155	16	544	560	97.1
Total		4	71	314	155	16	544	560	97.1
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year		15	62	18	3	95	98	96.9
	Total		15	62	18	3	95	98	96.9
BLACK	Under 1 Year	1	26	65	41	2	133	135	98.5
	Total	1	26	65	41	2	133	135	98.5
WHITE	Under 1 Year	3	30	187	96	11	316	327	96.6
	Total	3	30	187	96	11	316	327	96.6

Table 3.11.4 Temperament: Predictability - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-9	10-14	15-19	TOTAL	MEAN	STD DEV
AGE OF CHILD								
Under 1 Year		0.5	10.6	59.1	29.8	100.0	12.7	2.3
Total		0.5	10.6	59.1	29.8	100.0	12.7	2.3
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year		14.2	66.8	19.0	100.0	12.2	2.3
	Total		14.2	66.8	19.0	100.0	12.2	2.3
BLACK	Under 1 Year	0.6	18.2	48.6	32.5	100.0	12.3	2.6
	Total	0.6	18.2	48.6	32.5	100.0	12.3	2.6
WHITE	Under 1 Year	0.5	9.0	60.2	30.3	100.0	12.8	2.2
	Total	0.5	9.0	60.2	30.3	100.0	12.8	2.2

Table 3.11.5 Temperament: Fearfulness - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-4	5-9	10-14	15-19	20	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
Under 1 Year		95	294	110	22	3	36	524	560	93.6
1 Year		41	229	176	55	2	29	503	532	94.5
Total		136	523	286	77	5	65	1027	1092	94.0
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	19	47	21	5	1	5	93	98	94.9
	1 Year	7	44	30	13		6	94	100	94.0
	Total	26	91	51	18	1	11	187	198	94.4
BLACK	Under 1 Year	19	58	35	11	2	10	125	135	92.6
	1 Year	6	45	47	18	1	13	117	130	90.0
	Total	25	103	82	29	3	23	242	265	91.3
WHITE	Under 1 Year	57	189	54	6		21	306	327	93.6
	1 Year	28	140	99	24	1	10	292	302	96.7
	Total	85	329	153	30	1	31	598	629	95.1

Table 3.11.6 Temperament: Fearfulness - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-9	10-14	15-19	20	TOTAL	MEAN	STD DEV
AGE OF CHILD									
Under 1 Year		16.8	59.7	19.2	3.9	0.4	100.0	7.6	3.3
1 Year		9.0	46.3	34.2	10.0	0.5	100.0	9.2	3.7
Total		13.0	53.2	26.5	6.9	0.4	100.0	8.4	3.6
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	18.1	53.6	21.5	4.6	2.2	100.0	8.0	3.8
	1 Year	7.8	43.0	35.7	13.4		100.0	9.9	4.0
	Total	13.0	48.3	28.6	9.0	1.1	100.0	8.9	4.0
BLACK	Under 1 Year	15.8	47.0	26.1	9.3	1.7	100.0	8.8	4.0
	1 Year	4.7	40.7	38.0	15.7	0.9	100.0	10.2	4.0
	Total	10.5	44.0	31.8	12.4	1.3	100.0	9.5	4.1
WHITE	Under 1 Year	16.9	62.4	17.9	2.9		100.0	7.3	3.1
	1 Year	9.8	47.5	33.5	8.8	0.4	100.0	9.0	3.6
	Total	13.4	55.2	25.4	5.7	0.2	100.0	8.1	3.4

Table 3.11.7 Temperament: Positive Affect - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-4	5-9	10-14	15-19	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
Under 1 Year		28	65	315	129	23	537	560	95.9
1 Year		2	13	318	168	31	501	532	94.2
Total		30	78	633	297	54	1038	1092	95.1
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	2	13	59	20	4	94	98	95.9
	1 Year	1	2	61	29	7	93	100	93.0
	Total	3	15	120	49	11	187	198	94.4
BLACK	Under 1 Year	7	12	73	40	3	132	135	97.8
	1 Year		6	66	43	15	115	130	88.5
	Total	7	18	139	83	18	247	265	93.2
WHITE	Under 1 Year	19	40	183	69	16	311	327	95.1
	1 Year	1	5	191	96	9	293	302	97.0
	Total	20	45	374	165	25	604	629	96.0

Table 3.11.8 Temperament: Positive Affect - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-9	10-14	15-19	TOTAL	MEAN	STD DEV
AGE OF CHILD								
Under 1 Year		5.1	10.7	61.1	23.1	100.0	12.1	3.0
1 Year		0.2	2.0	63.9	33.9	100.0	13.5	1.6
Total		2.7	6.6	62.5	28.2	100.0	12.8	2.6
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	2.1	12.4	66.3	19.3	100.0	12.0	2.7
	1 Year	1.6	1.7	61.6	35.1	100.0	13.4	2.1
	Total	1.9	7.1	64.0	27.1	100.0	12.7	2.5
BLACK	Under 1 Year	6.1	8.7	54.3	30.9	100.0	12.3	3.2
	1 Year		5.5	57.0	37.4	100.0	13.4	1.8
	Total	3.3	7.2	55.5	33.9	100.0	12.8	2.7
WHITE	Under 1 Year	5.2	10.9	61.9	22.1	100.0	12.0	3.1
	1 Year	0.1	1.5	65.2	33.2	100.0	13.6	1.4
	Total	2.7	6.4	63.5	27.4	100.0	12.8	2.5

Table 3.11.9 Temperament: Sociability - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		1-4	5-9	10-14	15-19	INVALID	VALID	TOTAL	%VALID
AGE OF CHILD									
Under 1 Year		16	91	49	13	25	169	194	87.1
1 Year		65	256	150	33	28	504	532	94.7
2 Years		35	176	228	110	30	549	579	94.8
3 Years		33	228	240	107	29	608	637	95.4
4 Years		15	145	243	138	29	541	570	94.9
5 Years		7	114	269	170	24	560	584	95.9
6 Years		3	107	271	169	29	550	579	95.0
Total		174	1117	1450	740	194	3481	3675	94.7
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	4	18	9	3	4	34	38	89.5
	1 Year	14	49	24	10	3	97	100	97.0
	2 Years	10	34	46	18	4	108	112	96.4
	3 Years	6	42	48	11	8	107	115	93.0
	4 Years	3	32	43	21	6	99	105	94.3
	5 Years	1	27	49	26	5	103	108	95.4
	6 Years	1	25	65	31	8	122	130	93.8
	Total	39	227	284	120	38	670	708	94.6
BLACK	Under 1 Year	7	24	12	4	3	47	50	94.0
	1 Year	22	67	27	7	7	123	130	94.6
	2 Years	10	53	56	21	11	140	151	92.7
	3 Years	15	64	58	25	4	162	166	97.6
	4 Years	5	42	72	29	10	148	158	93.7
	5 Years	2	35	79	49	5	165	170	97.1
	6 Years	1	41	85	41	5	168	173	97.1
	Total	62	326	389	176	45	953	998	95.5
WHITE	Under 1 Year	5	49	28	6	18	88	106	83.0
	1 Year	29	140	99	16	18	284	302	94.0
	2 Years	15	89	126	71	15	301	316	95.3
	3 Years	12	122	134	71	17	339	356	95.2
	4 Years	7	71	128	88	13	294	307	95.8
	5 Years	4	52	141	95	14	292	306	95.4
	6 Years	1	41	121	97	16	260	276	94.2
	Total	73	564	777	444	111	1858	1969	94.4

Table 3.11.10 Temperament: Sociability - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-4	5-9	10-14	15-19	TOTAL	MEAN	STD DEV
AGE OF CHILD								
Under 1 Year		10.3	53.5	32.3	3.9	100.0	9.0	3.1
1 Year		12.4	47.7	33.3	6.5	100.0	8.8	3.3
2 Years		6.8	27.3	44.1	21.8	100.0	10.9	3.4
3 Years		4.5	34.5	40.1	20.9	100.0	10.7	3.3
4 Years		2.4	24.2	45.4	28.0	100.0	11.6	3.1
5 Years		1.3	18.1	49.3	31.2	100.0	12.3	2.7
6 Years		0.5	16.5	47.5	35.4	100.0	12.4	2.5
Total		5.0	29.5	42.7	22.9	100.0	11.0	3.3
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	22.2	46.4	24.3	7.1	100.0	8.1	3.4
	1 Year	12.6	51.0	23.7	12.7	100.0	8.7	3.6
	2 Years	11.7	31.1	41.2	16.0	100.0	10.2	3.7
	3 Years	4.9	39.3	46.3	9.5	100.0	10.1	3.3
	4 Years	2.5	32.0	43.8	21.6	100.0	11.0	3.0
	5 Years	1.0	30.5	45.7	22.8	100.0	11.7	2.8
	6 Years	0.4	19.4	52.7	27.5	100.0	12.2	2.5
	Total	6.3	33.7	41.8	18.1	100.0	10.6	3.4
BLACK	Under 1 Year	15.6	49.1	27.4	8.0	100.0	8.6	3.2
	1 Year	21.9	53.0	20.1	5.1	100.0	7.6	3.3
	2 Years	7.5	39.7	38.7	14.1	100.0	9.9	3.5
	3 Years	8.4	39.7	35.9	15.9	100.0	9.9	3.4
	4 Years	3.6	26.9	48.2	21.3	100.0	11.3	2.9
	5 Years	1.0	19.6	50.2	29.2	100.0	12.0	2.7
	6 Years	1.0	24.1	49.5	25.4	100.0	11.9	2.6
	Total	6.9	33.5	40.8	18.8	100.0	10.5	3.4
WHITE	Under 1 Year	7.7	55.3	34.3	2.7	100.0	9.2	2.9
	1 Year	10.8	46.5	36.6	6.2	100.0	9.0	3.2
	2 Years	6.2	24.3	45.5	24.0	100.0	11.1	3.4
	3 Years	3.7	33.1	40.4	22.8	100.0	10.9	3.3
	4 Years	2.2	22.7	44.9	30.3	100.0	11.8	3.1
	5 Years	1.4	16.4	49.5	32.7	100.0	12.4	2.7
	6 Years	0.4	14.1	46.2	39.3	100.0	12.6	2.5
	Total	4.4	28.1	43.2	24.3	100.0	11.1	3.3

Table 3.11.11 Temperament: Difficulty - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		10-19	20-29	30-39	40-49	50+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
Under 1 Year		38	218	166	54	11	73	487	560	87.0
1 Year		19	175	213	59	4	62	470	532	88.3
Total		57	393	379	113	15	135	957	1092	87.6
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	8	36	28	12	1	13	85	98	86.7
	1 Year	4	33	38	12	2	11	89	100	89.0
	Total	12	69	66	24	3	24	174	198	87.9
BLACK	Under 1 Year	4	43	47	18	7	16	119	135	88.1
	1 Year	3	26	55	23	2	21	109	130	83.8
	Total	7	69	102	41	9	37	228	265	86.0
WHITE	Under 1 Year	26	139	91	24	3	44	283	327	86.5
	1 Year	12	116	120	24		30	272	302	90.1
	Total	38	255	211	48	3	74	555	629	88.2

Table 3.11.12 Temperament: Difficulty - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		10-19	20-29	30-39	40-49	50+	TOTAL	MEAN	STD DEV
AGE OF CHILD									
Under 1 Year		8.6	47.4	32.4	10.0	1.6	100.0	29.4	8.0
1 Year		4.8	41.4	41.7	11.7	0.4	100.0	30.6	6.8
Total		6.8	44.5	36.9	10.8	1.0	100.0	30.0	7.5
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	9.1	38.7	32.3	18.8	1.1	100.0	31.3	8.9
	1 Year	4.9	37.7	44.3	11.1	1.9	100.0	31.8	7.8
	Total	7.0	38.2	38.4	14.9	1.5	100.0	31.6	8.4
BLACK	Under 1 Year	3.9	36.5	39.1	14.9	5.7	100.0	32.9	8.9
	1 Year	2.5	23.0	50.4	22.1	1.9	100.0	34.3	7.5
	Total	3.2	30.1	44.4	18.3	3.9	100.0	33.5	8.3
WHITE	Under 1 Year	9.4	50.0	31.3	8.4	0.9	100.0	28.6	7.5
	1 Year	5.2	44.7	40.1	10.0		100.0	29.9	6.4
	Total	7.3	47.5	35.5	9.2	0.5	100.0	29.2	7.0

Table 3.11.13 Temperament: Negative Hedonic Tone - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		10-14	15-19	20-24	25-29	30+	INVALID	VALID	TOTAL	%VALID
AGE OF CHILD										
Under 1 Year		42	160	162	97	50	49	511	560	91.3
1 Year		40	139	157	112	48	36	496	532	93.2
Total		82	299	319	209	98	85	1007	1092	92.2
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	9	27	27	19	8	8	90	98	91.8
	1 Year	7	23	26	27	9	8	92	100	92.0
	Total	16	50	53	46	17	16	182	198	91.9
BLACK	Under 1 Year	8	25	40	29	20	13	122	135	90.4
	1 Year	9	18	31	39	18	15	115	130	88.5
	Total	17	43	71	68	38	28	237	265	89.4
WHITE	Under 1 Year	25	108	95	49	22	28	299	327	91.4
	1 Year	24	98	100	46	21	13	289	302	95.7
	Total	49	206	195	95	43	41	588	629	93.5

Table 3.11.14 Temperament: Negative Hedonic Tone - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		10-14	15-19	20-24	25-29	30+	TOTAL	MEAN	STD DEV
AGE OF CHILD									
Under 1 Year		8.2	34.9	31.7	15.9	9.3	100.0	21.4	5.5
1 Year		8.7	30.9	33.7	18.1	8.7	100.0	21.5	5.4
Total		8.4	32.9	32.7	17.0	9.0	100.0	21.4	5.4
RACE OF CHILD	AGE OF CHILD								
HISPANIC	Under 1 Year	7.9	29.1	29.3	23.6	10.1	100.0	22.0	5.7
	1 Year	8.1	23.1	30.6	30.5	7.8	100.0	22.5	5.8
	Total	8.0	26.1	29.9	27.0	8.9	100.0	22.2	5.8
BLACK	Under 1 Year	6.5	20.5	33.3	23.4	16.3	100.0	23.6	6.4
	1 Year	8.3	17.4	25.5	32.6	16.2	100.0	24.1	6.0
	Total	7.4	19.0	29.5	27.8	16.2	100.0	23.8	6.2
WHITE	Under 1 Year	8.5	37.8	31.7	13.9	8.1	100.0	20.3	5.2
	1 Year	8.8	33.8	35.3	14.6	7.5	100.0	21.0	5.1
	Total	8.6	35.8	33.4	14.3	7.8	100.0	20.9	5.1

Table 3.11.15 Temperament: Friendliness - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		5-9	10-14	15-19	20-24	25-29	30+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
Under 1 Year		1	3	16	53	62	28	31	163	194	84.0
1 Year			5	53	160	199	57	58	474	532	89.1
Total		1	8	69	213	261	85	89	637	726	87.7
RACE OF CHILD	AGE OF CHILD										
HISPANIC	Under 1 Year			4	13	9	7	5	33	38	86.8
	1 Year		2	12	31	30	14	11	89	100	89.0
	Total		2	16	44	39	21	16	122	138	88.4
BLACK	Under 1 Year	1	3	8	18	10	6	4	46	50	92.0
	1 Year		3	26	41	33	8	19	111	130	85.4
	Total	1	6	34	59	43	14	23	157	180	87.2
WHITE	Under 1 Year			4	22	43	15	22	84	106	79.2
	1 Year			15	88	136	35	28	274	302	90.7
	Total			19	110	179	50	50	358	408	87.7

Table 3.11.16 Temperament: Friendliness - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		5-9	10-14	15-19	20-24	25-29	30+	TOTAL	MEAN	STD DEV
AGE OF CHILD										
Under 1 Year		0.4	1.1	9.5	28.7	45.3	15.1	100.0	25.2	22.9
1 Year		0.0	0.5	8.5	30.6	46.2	14.2	100.0	25.1	22.9
Total		0.1	0.7	8.7	30.1	46.0	14.5	100.0	25.1	22.9
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year			24.0	31.6	25.6	18.8	100.0	24.1	17.8
	1 Year		1.9	12.5	34.2	32.2	19.3	100.0	24.7	17.1
	Total		1.4	15.8	33.4	30.3	19.1	100.0	24.5	17.3
BLACK	Under 1 Year	2.3	7.0	16.5	39.7	21.3	13.3	100.0	22.9	22.6
	1 Year		3.1	27.0	35.1	28.5	6.3	100.0	22.4	19.2
	Total	0.7	4.3	23.9	36.4	26.4	8.4	100.0	22.6	20.2
WHITE	Under 1 Year			6.2	25.9	52.9	15.1	100.0	25.8	23.5
	1 Year			5.0	29.5	50.4	15.1	100.0	25.5	24.7
	Total			5.3	28.6	51.0	15.1	100.0	25.6	24.4

Table 3.11.17 Temperament: Compliance - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		5-9	10-14	15-19	20-24	25-29	30+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD											
2 Years		3	48	138	175	151	17	46	532	578	92.0
3 Years		2	33	125	236	191	19	31	606	637	95.1
4 Years			24	103	219	171	32	22	549	571	96.1
5 Years			25	91	186	223	34	23	559	582	96.0
6 Years		1	13	77	181	215	40	52	527	579	91.0
Total		6	143	534	997	951	142	174	2773	2947	94.1
RACE OF CHILD	AGE OF CHILD										
HISPANIC	2 Years	1	14	26	33	22	7	10	103	113	91.2
	3 Years	1	8	25	42	30	4	4	110	114	96.5
	4 Years		7	32	34	26	3	4	102	106	96.2
	5 Years		6	21	33	39	4	4	103	107	96.3
	6 Years		5	20	37	45	9	14	116	130	89.2
	Total	2	40	124	179	162	27	36	534	570	93.7
BLACK	2 Years	1	18	48	39	31	3	9	140	149	94.0
	3 Years	1	8	40	62	43	3	11	157	168	93.5
	4 Years		6	38	56	45	5	8	150	158	94.9
	5 Years		11	30	53	65	5	5	164	169	97.0
	6 Years		5	21	52	69	10	16	157	173	90.8
	Total	2	48	177	262	253	26	49	768	817	94.0
WHITE	2 Years	1	16	64	103	98	7	27	289	316	91.5
	3 Years		17	60	132	118	12	16	339	355	95.5
	4 Years		11	33	129	100	24	10	297	307	96.7
	5 Years		8	40	100	119	25	14	292	306	95.4
	6 Years	1	3	36	92	101	21	22	254	276	92.0
	Total	2	55	233	556	536	89	89	1471	1560	94.3

Table 3.11.18 Temperament: Compliance - Raw Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		5-9	10-14	15-19	20-24	25-29	30+	TOTAL	MEAN	STD DEV
AGE OF CHILD										
2 Years		0.5	7.6	24.7	32.9	31.4	2.9	100.0	21.8	4.8
3 Years		0.2	3.6	19.7	40.1	33.7	2.6	100.0	22.6	4.2
4 Years			4.4	14.8	41.2	32.5	7.1	100.0	23.2	4.3
5 Years			4.1	13.5	33.8	41.6	7.0	100.0	23.5	4.5
6 Years		0.1	1.7	13.9	35.9	40.5	7.8	100.0	23.9	4.1
Total		0.2	4.3	17.5	36.9	35.8	5.3	100.0	23.0	4.4
RACE OF CHILD	AGE OF CHILD									
HISPANIC	2 Years	0.7	14.3	25.4	30.0	23.6	6.0	100.0	21.1	5.5
	3 Years	2.2	7.0	22.3	39.0	26.4	3.2	100.0	21.6	4.8
	4 Years		6.9	31.8	35.2	23.3	2.8	100.0	21.3	4.5
	5 Years		8.8	22.1	31.1	35.0	2.9	100.0	21.8	5.2
	6 Years		4.1	16.9	30.2	41.3	7.5	100.0	23.4	4.7
	Total	0.5	8.1	23.5	33.0	30.3	4.6	100.0	21.9	5.0
BLACK	2 Years	0.4	11.3	35.8	29.0	21.0	2.5	100.0	20.2	4.7
	3 Years	0.3	4.2	26.4	39.4	28.2	1.4	100.0	21.8	4.2
	4 Years		4.4	25.3	38.4	28.9	3.0	100.0	22.1	4.2
	5 Years		6.7	18.5	32.7	39.1	3.1	100.0	22.8	4.6
	6 Years		2.5	14.0	34.2	42.7	6.5	100.0	24.0	4.1
	Total	0.1	5.8	23.8	34.7	32.2	3.3	100.0	22.2	4.5
WHITE	2 Years	0.5	6.1	22.3	34.0	34.4	2.7	100.0	22.2	4.6
	3 Years		3.2	18.2	40.4	35.4	2.8	100.0	22.8	4.2
	4 Years		4.1	10.4	42.5	34.4	8.6	100.0	23.6	4.2
	5 Years		2.9	11.2	34.4	43.0	8.5	100.0	23.8	4.3
	6 Years	0.1	1.2	13.5	37.2	39.8	8.1	100.0	24.0	4.0
	Total	0.1	3.6	15.4	37.8	37.2	5.9	100.0	23.2	4.3

Table 3.12.1 Motor and Social Development - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4	5-6	7-8	9-10	11-12	13-14	15	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD												
Under 1 Year		30	61	106	126	96	80	10	52	509	561	90.7
1 Year		29	57	98	135	76	39	6	92	440	532	82.7
2 Years		33	56	67	131	138	90	10	54	525	579	90.7
3 Years		5	3	17	56	127	279	106	44	593	637	93.1
Total		97	177	288	448	437	488	132	242	2067	2309	89.5
RACE OF CHILD	AGE OF CHILD											
HISPANIC	Under 1 Year	4	7	19	19	21	12		16	82	98	83.7
	1 Year	4	15	23	26	12	4	2	14	86	100	86.0
	2 Years	7	15	13	34	24	4	3	12	100	112	89.3
	3 Years	1	1	8	15	29	37	11	13	102	115	88.7
	Total	16	38	63	94	86	57	16	55	370	425	87.1
BLACK	Under 1 Year	5	14	19	34	27	17	5	14	121	135	89.6
	1 Year	8	9	24	25	21	15	1	27	103	130	79.2
	2 Years	9	11	22	25	35	26	2	21	130	151	86.1
	3 Years	3	2	6	19	41	69	16	10	156	166	94.0
	Total	25	36	71	103	124	127	24	72	510	582	87.6
WHITE	Under 1 Year	21	40	68	73	48	51	5	22	306	328	93.3
	1 Year	17	33	51	84	43	20	3	51	251	302	83.1
	2 Years	17	30	32	72	79	60	5	21	295	316	93.4
	3 Years	1		3	22	57	173	79	21	335	356	94.1
	Total	56	103	154	251	227	304	92	115	1187	1302	91.2

Table 3.12.2 Motor and Social Development - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 1 Year		12.5	37.6	36.1	13.8	100.0	101.0	13.6
1 Year		11.7	38.4	35.2	14.7	100.0	100.6	13.9
2 Years		4.7	33.0	32.5	29.8	100.0	105.3	13.6
3 Years		11.9	28.5	37.2	22.5	100.0	100.4	13.5
Total		10.2	34.0	35.3	20.5	100.0	101.8	13.8
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	10.5	29.8	51.9	7.9	100.0	100.9	11.7
	1 Year	17.4	26.2	40.7	15.7	100.0	101.5	15.2
	2 Years	9.1	43.9	28.7	18.2	100.0	100.5	13.2
	3 Years	28.6	35.2	25.6	10.6	100.0	92.9	14.1
	Total	16.4	34.3	35.8	13.4	100.0	98.9	14.1
BLACK	Under 1 Year	10.0	31.0	39.1	20.0	100.0	103.2	15.0
	1 Year	10.2	28.4	34.1	27.3	100.0	104.3	15.0
	2 Years	7.7	29.0	37.5	25.7	100.0	104.3	14.6
	3 Years	18.0	41.6	29.9	10.5	100.0	94.4	15.0
	Total	11.8	33.2	34.9	20.1	100.0	101.1	15.5
WHITE	Under 1 Year	13.1	39.3	34.4	13.2	100.0	100.6	13.4
	1 Year	11.4	41.2	34.9	12.5	100.0	99.9	13.5
	2 Years	3.7	32.6	31.9	31.8	100.0	106.0	13.3
	3 Years	9.4	25.4	39.5	25.7	100.0	102.1	12.6
	Total	9.4	34.1	35.3	21.2	100.0	102.2	13.4

Table 3.12.3 Motor and Social Development - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
Under 1 Year		15.6	19.9	24.5	20.8	7.9	11.3	100.0	51.9	27.5
1 Year		17.1	18.7	21.8	24.0	11.1	7.4	100.0	51.3	27.7
2 Years		8.3	20.6	16.3	20.2	16.4	18.2	100.0	60.3	27.7
3 Years		18.9	16.1	27.6	14.9	18.9	3.6	100.0	51.4	27.6
Total		15.0	18.7	22.7	19.7	13.8	10.0	100.0	53.7	27.9
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	11.6	20.0	26.5	26.5	8.3	7.0	100.0	52.3	25.0
	1 Year	19.2	13.7	23.2	23.9	8.2	11.8	100.0	52.7	28.8
	2 Years	14.0	28.0	16.7	15.9	20.1	5.2	100.0	50.7	27.8
	3 Years	41.5	18.1	18.7	11.1	7.7	2.9	100.0	35.9	28.0
	Total	21.8	20.3	20.9	18.9	11.5	6.6	100.0	47.7	28.4
BLACK	Under 1 Year	11.6	18.7	24.9	18.5	10.9	15.5	100.0	56.4	28.0
	1 Year	13.5	15.2	22.0	17.3	16.5	15.5	100.0	58.1	28.9
	2 Years	12.8	18.9	15.1	24.0	9.0	20.2	100.0	57.7	28.6
	3 Years	31.5	21.9	24.4	11.8	9.1	1.3	100.0	39.8	26.3
	Total	18.3	19.0	21.5	17.7	10.9	12.5	100.0	52.1	29.0
WHITE	Under 1 Year	16.6	20.1	24.3	20.7	7.4	10.9	100.0	51.1	27.5
	1 Year	17.5	19.7	21.6	25.1	10.5	5.6	100.0	50.0	27.2
	2 Years	6.9	20.2	16.5	19.9	17.4	19.2	100.0	61.7	27.3
	3 Years	14.7	14.9	28.9	15.8	21.6	4.1	100.0	54.8	26.7
	Total	13.9	18.6	23.1	20.1	14.6	9.9	100.0	54.5	27.5

Table 3.12.4 Motor and Social Development - Percentile Scores for Male Children by Age/Ethnicity: Weighted Distribution, 1988

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
Under 1 Year		14.4	19.0	24.7	21.5	7.7	12.7	100.0	53.3	27.1
1 Year		10.4	26.1	23.8	23.7	10.1	5.9	100.0	50.8	25.9
2 Years		10.2	22.1	16.5	18.6	16.8	15.8	100.0	59.1	27.3
3 Years		23.8	13.1	25.8	18.7	13.0	5.6	100.0	50.3	27.2
Total		15.2	19.6	23.0	20.6	11.8	9.9	100.0	53.2	27.1
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	16.4	12.3	30.5	21.5	9.3	10.1	100.0	52.0	26.2
	1 Year	15.3	8.5	28.4	26.9	8.8	12.2	100.0	56.3	27.9
	2 Years	15.7	24.5	21.5	19.4	13.4	5.6	100.0	51.6	26.4
	3 Years	47.1	14.8	20.8	8.1	5.5	3.7	100.0	35.3	27.6
	Total	23.2	15.8	24.9	18.9	9.6	7.6	100.0	48.9	28.1
BLACK	Under 1 Year	7.1	14.6	36.4	19.3	9.5	13.0	100.0	57.5	25.1
	1 Year	11.7	30.1	10.3	22.2	10.1	15.6	100.0	54.1	29.6
	2 Years	12.4	14.4	9.2	26.8	19.3	17.9	100.0	63.4	27.8
	3 Years	40.8	17.2	19.3	11.8	7.6	3.2	100.0	38.7	26.8
	Total	19.9	18.6	18.8	19.5	11.5	11.7	100.0	52.4	29.0
WHITE	Under 1 Year	15.3	20.1	22.7	21.8	7.4	12.8	100.0	52.8	27.4
	1 Year	9.7	27.3	25.5	23.6	10.3	3.7	100.0	49.7	25.0
	2 Years	8.9	23.4	17.3	16.8	16.7	17.0	100.0	59.3	27.0
	3 Years	18.6	12.1	27.5	20.9	14.6	6.3	100.0	53.7	26.2
	Total	13.6	20.1	23.5	20.9	12.0	9.8	100.0	53.7	26.7

Table 3.12.5 Motor and Social Development - Percentile Scores for Female Children by Age/Ethnicity: Weighted Distribution, 1988

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
Under 1 Year		18.6	28.1	17.9	13.6	10.3	11.5	100.0	50.1	28.4
1 Year		17.9	14.8	20.7	26.6	11.4	8.6	100.0	52.2	28.9
2 Years		8.6	18.7	15.6	22.6	20.4	14.1	100.0	60.8	27.9
3 Years		16.6	16.2	17.0	17.8	32.5		100.0	53.2	27.6
Total		15.0	19.3	17.6	20.0	19.7	8.4	100.0	54.4	28.4
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 1 Year	10.8	27.7	25.3	24.2	7.1	4.9	100.0	51.7	24.0
	1 Year	23.8	9.5	24.7	26.8	3.8	11.4	100.0	48.1	29.7
	2 Years	13.9	26.4	10.2	18.5	26.6	4.4	100.0	53.6	30.0
	3 Years	41.0	18.6	10.9	13.5	15.9		100.0	36.3	28.8
	Total	23.5	20.2	17.3	20.4	13.6	5.0	100.0	46.8	29.2
BLACK	Under 1 Year	18.8	21.1	17.2	12.6	10.3	20.0	100.0	53.9	30.7
	1 Year	12.0	3.7	33.2	13.2	18.7	19.1	100.0	63.1	26.6
	2 Years	15.8	24.7	19.5	12.9	10.0	17.0	100.0	52.3	30.5
	3 Years	22.8	29.5	18.3	15.4	14.0		100.0	40.4	25.9
	Total	17.9	21.4	21.1	13.6	12.8	13.2	100.0	51.2	29.6
WHITE	Under 1 Year	19.1	29.4	17.5	13.1	10.5	10.4	100.0	49.3	28.2
	1 Year	18.4	17.0	18.3	28.7	11.0	6.7	100.0	50.8	28.8
	2 Years	6.9	17.1	15.2	24.6	21.9	14.3	100.0	62.8	26.9
	3 Years	13.5	13.5	17.2	18.6	37.2		100.0	56.8	26.5
	Total	13.9	18.9	16.9	21.1	21.4	7.8	100.0	55.6	28.0

Table 3.12.6 Motor and Social Development - Standard Scores for Male Children by Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 1 Year		12.5	26.7	47.9	12.9	100.0	101.6	13.2
1 Year		9.1	41.1	36.4	13.3	100.0	100.6	12.4
2 Years		5.0	32.2	35.3	27.5	100.0	104.7	13.2
3 Years		12.3	35.3	33.8	18.6	100.0	99.7	14.0
Total		10.0	33.6	38.5	17.8	100.0	101.5	13.4
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	10.0	30.7	49.2	10.1	100.0	100.7	12.6
	1 Year	13.6	26.5	42.3	17.6	100.0	103.6	14.5
	2 Years	9.1	37.5	36.6	16.8	100.0	100.7	12.2
	3 Years	32.4	34.5	23.9	9.2	100.0	92.3	14.0
	Total	15.8	32.8	37.7	13.7	100.0	99.4	13.9
BLACK	Under 1 Year	7.1	27.6	50.5	14.8	100.0	103.7	13.3
	1 Year	10.1	36.3	29.5	24.2	100.0	102.2	15.2
	2 Years	8.1	18.8	44.2	29.0	100.0	106.5	14.0
	3 Years	17.3	50.2	21.7	10.8	100.0	93.5	16.8
	Total	11.1	34.2	35.6	19.1	100.0	100.9	15.9
WHITE	Under 1 Year	13.4	26.3	47.5	12.8	100.0	101.4	13.2
	1 Year	8.5	43.4	36.9	11.1	100.0	100.0	11.5
	2 Years	3.8	34.2	33.2	28.8	100.0	104.9	13.1
	3 Years	9.7	32.5	37.0	20.9	100.0	101.5	12.8
	Total	9.3	33.5	39.1	18.0	100.0	101.8	12.8

Table 3.12.7 Motor and Social Development - Standard Scores for Female Children by Age/Ethnicity: Weighted Distribution, 1988

		<85	85-99	100-114	115+	Total	Mean	Std Dev
AGE OF CHILD								
Under 1 Year		13.0	37.1	30.6	19.3	100.0	100.0	15.0
1 Year		16.0	27.1	39.5	17.5	100.0	98.5	22.4
2 Years		5.5	32.3	27.6	34.5	100.0	105.4	13.6
3 Years		14.0	35.7	34.4	15.8	100.0	101.1	12.9
Total		11.8	33.3	32.6	22.3	100.0	101.5	16.1
RACE OF CHILD	AGE OF CHILD							
HISPANIC	Under 1 Year	5.1	40.6	45.1	9.1	100.0	100.7	10.7
	1 Year	20.2	20.6	47.8	11.4	100.0	96.4	21.7
	2 Years	9.2	41.3	18.5	31.0	100.0	102.0	14.7
	3 Years	37.6	33.0	18.9	10.5	100.0	92.9	14.3
	Total	19.3	33.6	31.7	15.4	100.0	97.7	16.3
BLACK	Under 1 Year	12.7	33.2	30.8	23.3	100.0	101.2	20.7
	1 Year	8.7	17.5	39.7	34.2	100.0	107.0	13.9
	2 Years	12.0	38.3	22.6	27.1	100.0	102.0	15.5
	3 Years	22.1	48.6	20.5	8.8	100.0	95.2	12.6
	Total	14.5	36.2	27.1	22.2	100.0	100.8	16.5
WHITE	Under 1 Year	13.6	37.6	29.4	19.3	100.0	99.8	13.9
	1 Year	16.7	29.2	38.6	15.4	100.0	97.3	23.3
	2 Years	4.1	30.7	29.1	36.1	100.0	106.2	13.0
	3 Years	10.7	33.6	38.2	17.6	100.0	102.9	12.2
	Total	10.7	32.8	33.7	22.8	100.0	102.0	16.0

Table 3.13.1 Behavior Problem Index - Raw Scores by Child Age/Ethnicity: Sample Cases, 1988

		0-4	5-9	10-14	15-19	20+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD										
4-5 Years		185	363	321	146	69	69	1084	1153	94.0
6-7 Years		183	292	271	171	81	94	998	1092	91.4
8-9 Years		124	223	203	210	86	64	764	828	92.3
10+ Years		142	230	201	112	110	89	795	884	89.9
Total		634	1108	996	557	346	316	3641	3957	92.0
RACE OF CHILD	AGE OF CHILD									
HISPANIC	4-5 Years	31	61	68	31	13	9	204	213	95.8
	6-7 Years	50	55	50	29	14	30	198	228	86.8
	8-9 Years	25	39	33	20	18	10	135	145	93.1
	10+ Years	25	44	28	16	17	17	130	147	88.4
	Total	131	199	179	96	62	66	667	733	91.0
BLACK	4-5 Years	45	106	83	44	25	25	303	328	92.4
	6-7 Years	55	92	85	48	21	32	301	333	90.4
	8-9 Years	48	69	73	53	27	28	270	298	90.6
	10+ Years	61	92	72	43	40	46	308	354	87.0
	Total	209	359	313	188	113	131	1182	1313	90.0
WHITE	4-5 Years	109	196	170	71	31	35	577	612	94.3
	6-7 Years	78	145	136	94	46	32	499	531	94.0
	8-9 Years	51	115	97	55	41	26	359	385	93.2
	10+ Years	56	94	101	53	53	26	357	383	93.2
	Total	294	550	504	273	171	119	1792	1911	93.8

Table 3.13.2 Behavior Problem Index - Standard Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		70-84	85-99	100-114	115-129	130+	Total	Mean	Std Dev
AGE OF CHILD									
4-5 Years		6.1	24.3	44.6	17.0	8.0	100.0	106.5	14.3
6-7 Years		5.3	20.4	40.2	26.4	7.7	100.0	108.6	13.8
8-9 Years		3.2	19.2	42.8	24.8	9.9	100.0	109.8	13.7
10+ Years		1.6	17.9	42.8	27.7	10.1	100.0	111.4	14.2
Total		4.3	20.8	42.6	23.5	8.8	100.0	108.8	14.1
RACE OF CHILD	AGE OF CHILD								
HISPANIC	4-5 Years	3.0	23.6	39.9	25.0	8.5	100.0	109.0	14.0
	6-7 Years	7.1	25.8	33.9	25.3	8.0	100.0	107.1	14.9
	8-9 Years	1.3	27.2	34.7	22.6	14.2	100.0	110.3	15.7
	10+ Years	3.1	18.9	43.6	24.5	10.0	100.0	110.0	14.3
	Total	3.8	24.0	37.8	24.5	9.9	100.0	108.9	14.8
BLACK	4-5 Years	2.9	27.6	41.4	19.2	8.9	100.0	107.9	14.1
	6-7 Years	4.5	20.8	39.7	27.8	7.2	100.0	108.5	13.5
	8-9 Years	2.2	20.1	38.8	28.6	10.3	100.0	111.1	13.8
	10+ Years	0.9	21.5	41.5	24.3	11.8	100.0	111.0	14.6
	Total	2.6	22.6	40.5	24.8	9.6	100.0	109.6	14.1
WHITE	4-5 Years	7.3	23.6	45.9	15.5	7.7	100.0	105.8	14.3
	6-7 Years	5.2	19.6	41.1	26.2	7.9	100.0	108.8	13.7
	8-9 Years	3.8	17.8	45.2	23.9	9.3	100.0	109.3	13.3
	10+ Years	1.7	15.8	43.3	29.9	9.2	100.0	111.8	13.9
	Total	5.0	19.8	43.9	22.9	8.4	100.0	108.5	14.0

Table 3.13.3 Behavior Problem Index - Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	100	Total	Mean	Std Dev
AGE OF CHILD											
4-5 Years		8.0	11.0	24.6	25.5	13.5	17.3		100.0	62.0	26.2
6-7 Years		5.3	12.4	17.6	28.1	14.3	22.3		100.0	66.2	25.4
8-9 Years		4.7	9.6	19.6	26.7	17.9	20.7	0.7	100.0	68.3	23.8
10+ Years		3.0	10.9	15.2	27.1	16.8	25.0	2.1	100.0	70.6	24.1
Total		5.5	11.1	19.6	26.8	15.3	21.0	0.6	100.0	66.3	25.2
RACE OF CHILD	AGE OF CHILD										
HISPANIC	4-5 Years	3.9	11.2	21.5	21.3	19.7	22.4		100.0	66.6	25.1
	6-7 Years	7.1	17.0	17.1	20.5	17.4	21.0		100.0	63.0	27.6
	8-9 Years	5.7	13.6	17.4	23.1	14.6	23.3	2.4	100.0	67.2	26.1
	10+ Years	3.8	10.4	19.5	25.5	16.4	23.0	1.5	100.0	68.2	24.9
	Total	5.2	13.2	18.9	22.3	17.2	22.3	0.8	100.0	66.0	26.1
BLACK	4-5 Years	4.8	10.3	24.8	27.0	12.7	20.4		100.0	64.2	24.7
	6-7 Years	4.5	12.5	19.2	27.4	14.1	22.2		100.0	66.0	25.0
	8-9 Years	3.1	11.2	16.6	24.1	21.3	22.9	0.9	100.0	70.4	23.5
	10+ Years	3.8	9.2	20.2	24.4	14.9	26.1	1.4	100.0	69.5	24.9
	Total	4.1	10.7	20.4	25.7	15.6	23.0	0.6	100.0	67.5	24.7
WHITE	4-5 Years	9.3	11.2	25.0	25.6	12.9	16.0		100.0	61.0	26.5
	6-7 Years	5.2	11.8	17.2	29.3	13.9	22.6		100.0	66.7	25.1
	8-9 Years	5.1	8.5	20.9	28.1	17.3	19.7	0.5	100.0	67.7	23.5
	10+ Years	2.4	11.9	11.9	28.7	17.8	24.7	2.5	100.0	71.6	23.5
	Total	6.0	10.9	19.5	27.7	15.0	20.2	0.5	100.0	65.9	25.3

Table 3.13.4 Behavior Problem Index - Antisocial Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD									
4-5 Years		31.5	15.2	11.2	21.6	20.6	100.0	60.8	28.0
6-7 Years		28.4		29.2	20.3	22.0	100.0	62.4	26.0
8-9 Years		29.1		27.7	18.6	24.5	100.0	65.1	26.4
10+ Years		27.4	0.3	24.8	15.4	32.2	100.0	69.4	26.1
Total		29.3	4.7	22.5	19.3	24.2	100.0	63.9	26.9
RACE OF CHILD	AGE OF CHILD								
HISPANIC	4-5 Years	22.3	17.0	11.6	25.6	23.5	100.0	65.9	26.3
	6-7 Years	28.5		28.7	19.4	23.4	100.0	62.6	26.2
	8-9 Years	26.1		23.1	25.1	25.7	100.0	67.9	26.1
	10+ Years	30.7	1.8	25.6	12.5	29.4	100.0	66.7	26.8
	Total	26.7	5.1	22.0	20.9	25.2	100.0	65.5	26.4
BLACK	4-5 Years	24.2	15.3	12.7	24.6	23.1	100.0	65.2	26.5
	6-7 Years	22.2		28.3	25.4	24.1	100.0	66.4	24.9
	8-9 Years	19.2		22.5	22.0	36.3	100.0	72.9	24.7
	10+ Years	22.2	0.3	21.5	17.8	38.2	100.0	73.7	25.3
	Total	22.1	4.0	21.0	22.3	30.6	100.0	69.6	25.7
WHITE	4-5 Years	34.4	15.0	10.7	20.3	19.6	100.0	59.1	28.3
	6-7 Years	30.0		29.6	19.2	21.2	100.0	61.3	26.2
	8-9 Years	32.7		30.1	16.6	20.6	100.0	62.2	26.4
	10+ Years	29.6	0.1	26.4	14.6	29.4	100.0	67.7	26.1
	Total	31.9	4.9	23.0	18.2	22.0	100.0	61.9	27.1

Table 3.13.5 Behavior Problem Index - Anxious/Depressed Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
4-5 Years		14.3	13.2	30.0	24.6	4.4	13.4	100.0	56.6	27.5
6-7 Years		21.3		26.7	23.7	14.1	14.2	100.0	59.7	27.1
8-9 Years		17.2		25.0	21.7	14.9	21.3	100.0	63.2	26.5
10+ Years		12.1	0.6	28.9	20.7	16.8	20.9	100.0	64.9	24.8
Total		16.4	4.0	27.8	22.9	12.0	16.9	100.0	60.6	26.8
RACE OF CHILD	AGE OF CHILD									
HISPANIC	4-5 Years	9.2	11.7	30.7	25.4	7.6	15.4	100.0	61.1	26.5
	6-7 Years	19.0		30.9	25.2	12.1	12.8	100.0	[illegible].4	25.7
	8-9 Years	[illegible]5.4		27.7	24.5	12.5	20.0	100.0	63.3	25.7
	10+ Years	15.7		31.7	17.8	18.2	16.6	100.0	61.7	25.4
	Total	14.8	3.2	30.4	23.5	12.3	15.9	100.0	61.2	25.9
BLACK	4-5 Years	11.5	9.2	33.0	25.8	6.7	13.7	100.0	60.3	26.3
	6-7 Years	20.0		30.5	25.2	13.1	11.1	100.0	58.6	25.7
	8-9 Years	12.0		30.3	24.2	17.2	16.2	100.0	63.9	23.8
	10+ Years	13.1	0.5	34.8	18.2	14.9	18.5	100.0	62.6	24.5
	Total	14.1	2.4	32.3	23.0	13.0	15.1	100.0	61.4	25.2
WHITE	4-5 Years	15.6	14.4	29.1	24.3	3.5	13.1	100.0	55.2	27.8
	6-7 Years	22.0		25.2	23.1	14.5	15.1	100.0	60.0	27.6
	8-9 Years	19.1		22.9	20.4	14.5	23.1	100.0	62.9	27.5
	10+ Years	11.0	0.8	25.2	22.5	17.7	22.9	100.0	66.6	24.7
	Total	17.4	4.7	26.0	22.8	11.6	17.6	100.0	60.3	27.4

Table 3.13.6 Behavior Problem Index - Dependent Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
4-5 Years		19.2		28.1	24.3		28.4	100.0	62.7	26.8
6-7 Years			24.1	23.9	27.0		25.1	100.0	64.0	26.6
8-9 Years			30.6		26.2	23.0	20.1	100.0	63.0	27.0
10+ Years			32.1	0.5	31.0	16.9	19.6	100.0	64.5	26.0
Total		6.3	18.8	16.5	26.5	7.6	24.3	100.0	63.4	26.7
RACE OF CHILD	AGE OF CHILD									
HISPANIC	4-5 Years	16.4		23.7	24.4		35.4	100.0	66.4	26.5
	6-7 Years		26.3	29.8	18.3		25.6	100.0	61.7	27.1
	8-9 Years		26.0		32.9	21.2	19.9	100.0	64.5	25.6
	10+ Years		39.5	2.8	22.9	17.1	17.8	100.0	60.4	27.3
	Total	4.9	20.3	17.1	24.2	7.4	26.0	100.0	63.6	26.7
BLACK	4-5 Years	13.4		23.7	26.2		36.7	100.0	68.5	25.5
	6-7 Years		26.5	18.1	27.5		27.8	100.0	64.3	27.8
	8-9 Years		21.9		26.3	29.4	22.4	100.0	68.3	25.0
	10+ Years		32.8	0.5	24.7	22.1	19.8	100.0	65.0	26.6
	Total	3.9	18.7	12.1	26.3	11.2	27.6	100.0	66.6	26.3
WHITE	4-5 Years	21.0		29.8	23.8		25.5	100.0	60.8	26.9
	6-7 Years		23.1	24.6	28.0		24.3	100.0	64.3	26.2
	8-9 Years		34.1		25.3	21.1	19.4	100.0	61.1	27.5
	10+ Years		30.6	0.1	34.8	14.7	19.8	100.0	64.8	25.4
	Total	7.1	18.7	17.7	26.8	6.6	23.0	100.0	62.4	26.7

Table 3.13.7 Behavior Problem Index - Hyperactive Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
4-5 Years		15.1		21.0	23.9	21.6	18.4	100.0	64.7	25.9
6-7 Years		16.9		17.0	21.2	20.5	24.5	100.0	65.3	26.9
8-9 Years		17.5		18.0	20.8	18.1	25.6	100.0	63.8	27.1
10+ Years		8.6	9.2	22.6	17.0	18.1	24.6	100.0	65.2	26.4
Total		14.7	1.9	19.6	21.0	19.8	22.9	100.0	64.8	26.6
RACE OF CHILD	AGE OF CHILD									
HISPANIC	4-5 Years	10.3		22.3	26.6	18.5	22.3	100.0	67.4	24.1
	6-7 Years	21.0		16.2	18.9	17.6	26.3	100.0	63.5	28.6
	8-9 Years	17.8		22.6	10.4	19.7	29.5	100.0	64.2	28.3
	10+ Years	14.5	9.9	20.4	18.4	12.6	24.2	100.0	61.1	28.2
	Total	16.0	2.2	20.1	19.1	17.2	25.4	100.0	64.2	27.4
BLACK	4-5 Years	15.0		23.8	16.8	20.2	24.2	100.0	65.6	27.1
	6-7 Years	18.2		18.0	18.5	18.4	26.9	100.0	64.9	28.0
	8-9 Years	18.2		16.3	15.4	18.8	31.3	100.0	65.8	28.4
	10+ Years	10.3	13.6	18.7	12.4	18.2	26.8	100.0	63.9	28.7
	Total	15.0	4.1	19.3	15.6	18.9	27.1	100.0	65.0	28.1
WHITE	4-5 Years	15.6		20.2	25.4	22.3	16.5	100.0	64.2	25.8
	6-7 Years	16.0		16.8	22.2	21.5	23.6	100.0	65.6	26.3
	8-9 Years	17.2		18.0	24.0	17.7	23.2	100.0	63.1	26.4
	10+ Years	6.7	6.7	25.0	19.2	18.9	23.4	100.0	66.6	24.7
	Total	14.5	1.2	19.6	23.0	20.5	21.2	100.0	64.8	25.9

Table 3.13.8 Behavior Problem Index - Peer Conflicts Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		40-59	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD							
4-5 Years		68.7		31.3	100.0	58.3	23.6
6-7 Years		68.0	18.7	13.3	100.0	58.0	24.0
8-9 Years		65.1	20.6	14.3	100.0	57.7	24.0
10+ Years		65.6	17.0	17.5	100.0	58.7	24.4
Total		67.1	13.2	19.7	100.0	58.2	24.0
RACE OF CHILD	AGE OF CHILD						
HISPANIC	4-5 Years	67.8		32.2	100.0	59.1	24.2
	6-7 Years	71.8	16.3	11.9	100.0	56.1	23.3
	8-9 Years	66.7	17.9	15.3	100.0	57.1	24.1
	10+ Years	69.2	13.8	17.1	100.0	57.0	24.1
	Total	69.1	11.7	19.3	100.0	57.3	23.9
BLACK	4-5 Years	68.1		31.9	100.0	58.8	24.1
	6-7 Years	65.3	21.6	13.0	100.0	59.2	24.3
	8-9 Years	59.1	25.1	15.7	100.0	60.6	24.7
	10+ Years	63.1	17.6	19.3	100.0	60.2	24.9
	Total	64.0	15.8	20.1	100.0	59.7	24.5
WHITE	4-5 Years	68.9		31.1	100.0	58.1	23.4
	6-7 Years	68.2	18.3	13.5	100.0	57.9	24.0
	8-9 Years	66.8	19.5	13.7	100.0	56.8	23.7
	10+ Years	66.3	17.2	16.5	100.0	58.1	24.1
	Total	67.8	12.6	19.6	100.0	57.8	23.8

Table 3.13.9 Behavior Problem Index - Headstrong Percentile Scores by Child Age/Ethnicity: Weighted Distribution, 1988

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
4-5 Years		14.7	14.8	19.2	28.5	9.4	13.4	100.0	56.2	26.5
6-7 Years		12.9	17.4	19.3	16.9	16.8	16.7	100.0	57.8	27.1
8-9 Years		12.4	18.2	17.9	17.1	19.8	14.6	100.0	60.7	26.3
10+ Years		12.7	9.6	19.2	22.5	18.4	17.6	100.0	64.5	26.1
Total		13.3	15.2	19.0	21.5	15.6	15.5	100.0	59.4	26.7
RACE OF CHILD	AGE OF CHILD									
HISPANIC	4-5 Years	14.9	13.0	13.5	28.9	14.8	14.9	100.0	58.6	27.1
	6-7 Years	19.8	15.0	12.9	23.4	18.0	10.9	100.0	54.3	28.1
	8-9 Years	19.1	17.1	13.0	11.7	20.6	18.4	100.0	59.2	29.5
	10+ Years	10.6	11.4	23.6	24.5	17.8	12.0	100.0	63.3	24.3
	Total	16.3	14.1	15.5	22.6	17.6	13.8	100.0	58.5	27.5
BLACK	4-5 Years	18.0	15.6	21.7	26.9	8.2	9.6	100.0	52.4	26.2
	6-7 Years	17.8	20.9	21.8	14.8	14.8	9.7	100.0	51.4	26.8
	8-9 Years	15.0	18.1	19.2	17.2	18.8	11.7	100.0	58.3	26.5
	10+ Years	17.0	9.5	20.1	23.0	14.8	15.7	100.0	60.4	27.2
	Total	17.0	15.6	20.7	20.8	14.0	11.9	100.0	55.8	27.0
WHITE	4-5 Years	13.9	14.8	19.2	28.8	9.1	14.2	100.0	56.9	26.4
	6-7 Years	10.7	16.8	19.5	16.6	17.1	19.3	100.0	60.0	26.8
	8-9 Years	10.7	18.4	18.1	17.7	20.0	15.1	100.0	61.7	25.7
	10+ Years	10.8	9.4	18.0	21.9	20.4	19.6	100.0	66.9	25.4
	Total	11.7	15.2	18.8	21.6	15.8	16.8	100.0	60.7	26.4

Table 4.1 Correlations Between Body Parts and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	MOTOR AND SOCIAL DEVELOPMENT	MEMORY FOR LOCATION
1 Year	.37*	.23*	.24*	.24*
2 Years	.28*	.22*	.25*	.17*

Note: * = significant at $p < .01$

Table 4.2 Correlations Between Memory for Location and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	MOTOR AND SOCIAL DEVELOPMENT	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)
8-11 Months	-.04	.06	-.03	----	----	----	----
1 Year	-.02	-.02	.15*	.24*	----	----	----
2 Years	.22*	.07	.12*	.17*	----	----	----
3 Years	.11	.02	.10	----	.07	.13***	.11***

Note: * = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.3 Correlations Between Verbal Memory and Other Assessment Scores by Age, 1988

	HOME COGN. STIM.	HOME EMOT. SUPPORT	MOTOR & SOCIAL DEVLPMT.	MEMORY FOR LOCATION	PPVT-R	BEHAVRL. PROBLEMS	VERBAL MEMORY (C)	PIAT MATH	PIAT READING RECOG.	PIAT READING COMP.
Verbal Memory (A & B)										
3 Years	.11*	.12*	.24*	.13***	.31*	----	.64*	----	----	----
4 Years	.29*	.24*	----	----	.36*	-.11**	.50*	----	----	----
5 Years	.10	.01	----	----	.36*	.05	.38*	.22*	.28*	.06
Verbal Memory (C)										
3 Years	.11**	.08***	.22*	.11	.27*	----	----	----	----	----
4 Years	.29*	.24*	----	----	.36*	-.11**	----	----	----	----
5 Years	.11***	.03	----	----	.30*	.06	----	.21*	.21*	.02

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year olds;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.4 Correlations Between SPPC Scores (Global Self-Worth and Scholastic Competence) and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	PPVT-R	BEHAVIOR PROBLEMS	PIAT MATH	PIAT READING RECOGNITION	PIAT READING COMPREHENSION	DIGIT SPAN	GLOBAL SCHOLASTIC
Global Scholastic									
8 Years	.06	.04	----	-.05	.07	.07	.07	----	----
9 Years	.03	-.07	----	-.04	.10***	.08	.11**	----	----
10 Years & Older	.15*	.07**	.25*	-.19*	.29*	.28*	.24*	.21*	----
Global Self-Worth									
8 Years	.17*	.18*	----	-.22*	.17*	.19*	.19*	----	.26*
9 Years	.04	.10	----	-.17*	.23*	.14*	.16*	----	.32*
10 Years & Older	.09*	.14*	.14*	-.14*	.17*	.12*	.17*	.08*	.34*

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year old, standard scores used for ages 7 and over;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.5 Correlations Between Digit Span Score and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	PPVT-R	BEHAVIOR PROBLEMS	PIAT MATH	PIAT READING RECOGNITION	PIAT READING COMPREHENSION
7 Years	.26*	.14*	----	-.08***	.53*	.51*	.43*
8 Years	.10**	.12**	----	-.15*	.37*	.31*	.31*
9 Years	.19**	.03	----	-.05	.35*	.55*	.46*
10 Years & Older	.19*	.09**	.30*	-.16*	.39*	.39*	.36*

Notes: 1) PIAT Reading Comprehension raw scores used for 5 and 6 year old, standard scores used for ages 7 and over;
2) Many 9 year olds receiving Digit Span assessment are children who did not receive that assessment in 1986;
3) * = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.6 Correlations Between PIAT Scores and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	PPVT-R	BEHAVIOR PROBLEMS	PIAT MATH	PIAT READING RECOGNITION	PIAT READING COMPREHENSION	DIGIT SPAN
PIAT Math								
5 Years	.35*	.27*	.50*	-.11*	----	.50*	.10*	----
6 Years	.34*	.25*	----	-.12*	----	.46*	.38*	----
7 Years	.29*	.26*	----	-.07	----	.60*	.55	.53*
8 Years	.24	.23*	----	-.17*	----	.57*	.56*	.37*
9 Years	.15**	.12**	----	-.06	----	.57*	.53*	.37*
10 Years & Older	.29*	.20*	.54*	-.11*	----	.59*	.57*	.39*
PIAT Reading Recognition								
5 Years	.33*	.15*	.48*	-.11**	.50*	----	.93*	----
6 Years	.32*	.15*	----	-.23*	.46*	----	.79*	----
7 Years	.32*	.24*	----	-.14*	.60*	----	.85*	.51*
8 Years	.30*	.27*	----	-.22*	.57*	----	.84*	.31*
9 Years	.24*	.20*	----	-.11**	.57*	----	.82*	.54*
10 Years & Older	.23*	.14*	.54*	-.09*	.59*	----	.75*	.39*
PIAT Reading Comprehension								
5 Years	.13	.25	.40*	.03	.10	.93*	----	----
6 Years	.25*	.16*	----	-.20*	.39*	.79*	----	----
7 Years	.27*	.23*	----	-.07	.55*	.85*	----	.43*
8 Years	.31*	.26*	----	-.19*	.56*	.84*	----	.31*
9 Years	.30*	.16*	----	-.05	.53*	.83*	----	.43*
10 Years & Older	.27*	.17*	.63*	-.08**	.57*	.75*	----	.36*

Notes: 1) PIAT Reading Comprehension raw scores used for 5 and 6 year old, standard scores used for ages 7 and over;
2) Most children age 5 through 9 receiving PPVT, and children 9 years old receiving Digit Span, are children who did not receive those assessments in 1986;
3) * = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.7 Correlations Between PPVT-R Scores and Other Assessment Scores by Age, 1988

	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)	BEHAVIOR PROBLEMS	PIAT MATH	PIAT READING RECOGNITION	PIAT READING COMPREHENSION	DIGIT SPAN
3 Years	.46*	.40*	.31*	.27*	----	----	----	----	----
4 Years	.44*	.38*	.36*	.30*	-.11**	.43**	.57*	----	----
5 Years	.43*	.27*	.36*	.30*	-.10	.50*	.48*	.40*	----
6 Years & Older	.36*	.21*	----	----	-.09***	.54*	.54*	.63*	.30*

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year old, standard scores used for ages 7 and over;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.8 Correlations Between HOME Cognitive Stimulation and Emotional Support Scores and Other Child Assessment Scores by Age, 1988

	HOME EMOT. SUPPORT	MSD	SOCIA-BILITY	MEMORY FOR LOCATION	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)	BEHAVIOR PROB.	PIAT MATH	PIAT READING RECOG.	PIAT READING COMP.	DIGIT SPAN	SPPC SCHOL.	SPPC SELF-WORTH
Cognitive Stimulation															
0-7 Months	.23*	.15*	----	----	----	----	----	----	----	----	----	----	----	----	----
8-11 Months	.39*	.13***	.12	.04	----	----	----	----	----	----	----	----	----	----	----
1 Year	.26*	.20*	.22*	.02	.37*	----	----	----	----	----	----	----	----	----	----
2 Years	.28*	.23*	.21*	.22*	.28*	----	----	----	----	----	----	----	----	----	----
3 Years	.41*	.40*	.17*	.11	----	.43*	.11*	.11*	----	----	----	----	----	----	----
4 Years	.40*	----	.16*	----	----	.43*	.29*	.18*	-.21*	----	----	----	----	----	----
5 Years	.30*	----	.14*	----	----	.16*	----	----	-.23*	.35*	.31*	.13*	----	----	----
6 Years	.43*	----	.12*	----	----	----	----	----	-.08***	.34*	.32*	.25*	----	----	----
7 Years	.36*	----	----	----	----	----	----	----	-.15*	.29*	.32*	.27*	.26*	----	----
8 Years	.39*	----	----	----	----	----	----	----	-.24*	.24*	.30*	.31*	.10**	.06	.17*
9 Years	.24*	----	----	----	----	----	----	----	-.14**	.15*	.24*	.30*	.13*	.03	.04
10 Years & Older	.24*	----	----	----	----	.03	----	----	-.14**	.15*	.24*	.30*	.13*	.03	.04
Emotional Support															
0-7 Months	----	.05	----	----	----	----	----	----	----	----	----	----	----	----	----
8-11 Months	----	.12	.06	.06	----	----	----	----	----	----	----	----	----	----	----
1 Year	----	.09***	.16*	-.02	.23*	----	----	----	----	----	----	----	----	----	----
2 Years	----	.11**	.14*	.07	.22*	----	----	----	----	----	----	----	----	----	----
3 Years	----	.31*	.21*	.02	----	.33*	.12*	.08***	----	----	----	----	----	----	----
4 Years	----	----	.19*	----	----	.32*	.24*	.20*	-.25*	----	----	----	----	----	----
5 Years	----	----	.19*	----	----	----	----	----	-.16*	.27*	.15*	.15	----	----	----
6 Years	----	----	.12*	----	----	----	---	---	-.21*	.25*	.15*	.16*	----	----	----
7 Years	----	----	----	----	----	----	----	----	-.17*	.26*	.24*	.23*	.14*	----	----
8 Years	----	----	----	----	----	----	----	----	-.12**	.23*	.27*	.26*	.12**	.04	.18*
9 Years	----	----	----	----	----	----	----	----	-.07	.12**	.20*	.16*	.11	-.07	.10
10 Years & Older	----	----	----	----	----	.10	----	----	-.07	.12**	.20*	.16*	.11	-.07	.10

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year olds, standard scores used for 7 year olds and over;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.8.1 Correlations Between HOME Scores and Other Child Assessment Scores by Age, 1988

	MSD	SOCIA-BILITY	MEMORY FOR LOCATION	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)	BEHAVIOR PROB.	PIAT MATH	PIAT READING RECOG.	PIAT READING COMP.	DIGIT SPAN	SPPC SCHOL.	SPPC SELF-WORTH
The HOME														
0-7 Months	.13*	----	----	----	----	----	----	----	----	----	----	----	----	----
8-11 Months	.13**	.12	----	----	----	----	----	----	----	----	----	----	----	----
1 Year	.21*	.25*	-.02	.39*	----	----	----	----	----	----	----	----	----	----
2 Years	.19*	.22*	.19*	.30*	----	----	----	----	----	----	----	----	----	----
3 Years	.42*	.23*	.05	----	.49*	.15*	.12*	----	----	----	----	----	----	----
4 Years	----	.21*	----	----	.49*	.24*	.22*	-.26*	----	----	----	----	----	----
5 Years	----	.21*	----	----	.22*	----	----	-.24*	.38*	.27*	.25*	----	----	----
6 Years	----	.13*	----	----	----	----	----	-.16*	.36*	.29*	.27*	----	----	----
7 Years	----	----	----	----	----	----	----	-.19*	.34*	.34*	.31*	.23*	----	----
8 Years	----	----	----	----	----	----	----	-.21*	.27*	.36*	.34*	.15*	.06	.21*
9 Years	----	----	----	----	----	----	----	-.08	.16*	.26*	.26*	.11	-.03	.07
10 Years & Older	----	----	----	----	.36*	----	----	-.18*	.28*	.24*	.27*	.19*	.15*	.14*

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year olds, standard scores used for 7 year olds and over;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.9.1 Temperament Intersubscale Correlations: Children 0-11 Months, 1988

	ACTIVITY	PREDICT	FEARFUL	AFFECT	DIFFICULT	NEGATIVE
PREDICT	.03	----	----	----	----	----
FEARFUL	.24*	-.02	----	----	----	----
AFFECT	.24*	.25*	.19*	----	----	----
DIFFICULT	.12*	-.35*	.67*	-.23*	----	----
NEGATIVE	.11**	-.20*	.70*	-.43*	.80*	----

Note: * = significant at p < .01; ** = significant at p < .05

Table 4.9.2 Temperament Intersubscale Correlations: Children 8-11 Months, 1988

	FRIENDLY
SOCIABLE	.80*

Note: * = significant at p < .01

Table 4.9.3 Temperament Intersubscale Correlations: Children 12-23 Months, 1988

	FEARFUL	AFFECT	SOCIABLE	DIFFICULT	NEGATIVE	FRIENDLY
AFFECT	.01	----	----	----	----	----
SOCIABLE	-.17*	.15*	----	----	----	----
DIFFICULT	.74*	-.36*	-.64*	----	----	----
NEGATIVE	.83*	-.36*	-.23*	.89*	----	----
FRIENDLY	-.34*	.19*	.83*	-.84*	-.59*	----

Note: * = significant at p < .01;

Table 4.9.4 Temperament Intersubscale Correlations: Children 24-83 Months, 1988

	INSECURE	SOCIABLE	COMPLY
INSECURE	----	-.05**	-.15*
SOCIABLE	-.05**	----	.14*
COMPLY	-.15*	.14*	----

Note: * = significant at p < .01;

Table 4.9.5 Reliability of Temperament Assessment Scores, 1988

AGE	SUBSCALE	NO. OF ITEMS	SAMPLE SIZE	CRONBACH'S ALPHA
0-11 Months	Activity	3	544	.71
	Predictability	3	544	.69
	Fearfulness	4	524	.64
	Positive Affect	3	537	.82
	Irritability	4	535	.45
	Negative Hedonic Tone Composite	11	511	.56
0-7 Months	Difficulty Composite	14	326	.68
8-11 Months	Sociability	3	169	.91
	Difficulty Composite	17	161	.63
	Friendliness Composite	7	163	.68
12-23 Months	Fearfulness	4	503	.70
	Positive Affect	3	501	.57
	Irritability	4	503	.56
	Sociability	3	504	.89
	Difficulty Composite	14	470	.69
	Negative Hedonic Tone Composite	11	496	.65
	Friendliness Composite	7	474	.75
24-83 Months	Compliance	6	2769	.68
	Attachment	7	2798	.61
	Sociability	3	2808	.93

Table 4.10 The Potential Impact of Interviewer on Child Scores: Correlations Between Temperament "Sociability" Score and Other Child Assessment Scores by Age, 1988

	HOME COGN. STIM.	HOME EMOT. SUPPORT	M.S.D.	MEMORY FOR LOCATION	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)	BEHAVIOR PROB.	PIAT MATH	PIAT READING RECOG.	PIAT READING COMP.
8-11 Months	.12	.06	-.05	.42*	----	----	----	----	----	----	----	----
1 Year	.22*	.16*	.14*	.30*	.44*	----	----	----	----	----	----	----
2 Years	.21*	.14*	.18*	.30*	.38*	----	----	----	----	----	----	----
3 Years	.17*	.21*	.22*	.03	----	.39*	.35*	.34*	----	----	----	----
4 Years	.16*	.19*	----	----	----	.29*	.37*	.39*	-.11**	----	----	----
5 Years	.14*	.19*	----	----	----	----	.32*	.24*	-.07***	.22*	.17*	.04
6 Years	.12*	.12*	----	----	----	----	----	----	-.06	.14*	.14*	.13*

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year olds:
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.11 Correlations Between Motor and Social Development Scores and Other Assessment Scores by Age, 1988

	HOME COGN. STIM.	HOME EMOT. SUPPORT	MEMORY FOR LOCATION	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)
0-7 Months	.15*	.05	----	----	----	----	----
8-11 Months	.13***	.11	-.03	----	----	----	----
1 Year	.20*	.09**	.15*	.24*	----	----	----
2 Years	.23*	.10**	.12*	.25*	----	----	----
3 Years	.40*	.31*	.10	----	.34*	.24*	.22*

Note: * = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.12.1 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores, 1988

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.38*	----	----	----	----	----
HEADSTRONG	.51*	.53*	----	----	----	----
HYPERACTIVE	.43*	.46*	.53*	----	----	----
DEPENDENT	.26*	.38*	.38*	.38*	----	----
PEER CONFLICT	.40*	.38*	.38*	.36*	.28*	----
BEHAVIOR PROBLEM INDEX	.68*	.72*	.81*	.76*	.61*	.53*

Note: * = significant at $p < .01$

Table 4.12.2 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 48-59 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.37*	----	----	----	----	----
HEADSTRONG	.49*	.46*	----	----	----	----
HYPERACTIVE	.41*	.40*	.49*	----	----	----
DEPENDENT	.27*	.37*	.43*	.35*	----	----
PEER CONFLICT	.41*	.33*	.36*	.34*	.26*	----
BEHAVIOR PROBLEM INDEX	.68*	.68*	.80*	.74*	.65*	.54*

Note: * = significant at $p < .01$

Table 4.12.3 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 60-71 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.34*	----	----	----	----	----
HEADSTRONG	.48*	.49*	----	----	----	----
HYPERACTIVE	.46*	.[illegible]*	.54*	----	----	----
DEPENDENT	.24*	.41*	.36*	.39*	----	----
PEER CONFLICT	.38*	.26*	.29*	.33*	.19*	----
BEHAVIOR PROBLEM INDEX	.69*	.69*	.80*	.78*	.62*	.46*

Note: * = significant at $p < .01$

Table 4.12.4 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 72-83 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.37*	----	----	----	----	----
HEADSTRONG	.55*	.53*	----	----	----	----
HYPERACTIVE	.45*	.50*	.55*	----	----	----
DEPENDENT	.25*	.37*	.40*	.37*	----	----
PEER CONFLICT	.35*	.38*	.36*	.32*	.28*	----
BEHAVIOR PROBLEM INDEX	.68*	.72*	.82*	.79*	.62*	.50*

Note: * = significant at $p < .01$

Table 12.5 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 84-95 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.38*	----	----	----	----	----
HEADSTRONG	.48*	.52*	----	----	----	----
HYPERACTIVE	.41*	.45*	.54*	----	----	----
DEPENDENT	.29*	.40*	.40*	.43*	----	----
PEER CONFLICT	.36*	.37*	.39*	.39*	.31*	----
BEHAVIOR PROBLEM INDEX	.65*	.71*	.80*	.77*	.65*	.55*

Note: * = significant at $p < .01$

Table 4.12.6 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 96-107 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.36*	----	----	----	----	----
HEADSTRONG	.48*	.52*	----	----	----	----
HYPERACTIVE	.41*	.46*	.54*	----	----	----
DEPENDENT	.21*	.31*	.31*	.34*	----	----
PEER CONFLICT	.46*	.40*	.40*	.38*	.30*	----
BEHAVIOR PROBLEM INDEX	.67*	.72*	.80*	.78*	.53*	.58*

Note: * = significant at $p < .01$

Table 4.12.7 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 108-119 Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.34*	----	----	----	----	----
HEADSTRONG	.48*	.63*	----	----	----	----
HYPERACTIVE	.45*	.44*	.51*	----	----	----
DEPENDENT	.24*	.40*	.36*	.29*	----	----
PEER CONFLICT	.44*	.44*	.42*	.36*	.29*	----
BEHAVIOR PROBLEM INDEX	6 *	.77*	.83*	.73*	.57*	.58*

Note: * = significant at p < .01

Table 4.12.8 Correlations Between Behavior Problem Index and Behavior Problem Subscale Scores: Children 120+ Months (1988 Assessment)

	ANTISOCIAL	ANXIOUS/ DEPRESSED	HEADSTRONG	HYPERACTIVE	DEPENDENT	PEER CONFLICT
ANTISOCIAL	----	----	----	----	----	----
ANXIOUS/DEPRESSED	.40*	----	----	----	----	----
HEADSTRONG	.54*	.55*	----	----	----	----
HYPERACTIVE	.46*	.53*	.57*	----	----	----
DEPENDENT	.31*	.41*	.40*	.49*	----	----
PEER CONFLICT	.41*	.47*	.42*	.38*	.36*	----
BEHAVIOR PROBLEM INDEX	.70*	.75*	.83*	.79*	.62*	.55*

Note: * = significant at $p < .01$

TABLE 4.13 Correlations Between Behavior Problems Index and Other Assessment Scores by Age, 1988

	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)	PIAT MATH	PIAT READING RECOGNITION	PIAT READING COMPREHENSION	DIGIT SPAN
4 Years	-.11*	-.11*	-.06	----	----	----	----
5 Years	-.10	.05	.06	-.11*	-.11*	-.11*	----
6 Years	----	----	----	-.12*	-.23*	-.20*	----
7 Years	----	----	----	-.07	-.14*	-.07	-.08***
8 Years	----	----	----	-.17*	-.22*	-.26*	-.12**
9 Years	----	----	----	-.06	-.11**	-.05	----
10 Years & Older	-.09**	----	----	-.11*	-.09*	-.08**	-.16*

Note: PIAT Reading Comprehension raw scores used for 5 and 6 year old, standard scores used for ages 7 and over;
* = significant at p < .01; ** = significant at < .05; *** = significant at < .10.

Table 4.14 Reliability of the HOME, BPI and SPPC Assessment Scores, 1988

ASSESSMENT	SAMPLE SIZE	NO. OF ITEMS	CRONBACH'S ALPHA
Home Observation for Measurement of the Environment (HOME)			
Age 1 Month to 2 Years, 11 Months			
Total HOME	1571	18	.59
Cognitive Stimulation	1524	9	.57
Emotional Support	1478	9	.34
Age 3 Years to 5 Years, 11 Months			
Total HOME	1699	26	.69
Cognitive Stimulation	1593	14	.65
Emotional Support	1587	12	.47
Age 6 Years to 9 Years, 11 Months			
Total HOME	1837	27	.73
Cognitive Stimulation	1689	14	.65
Emotional Support	1603	13	.60
Age 10+ Years			
Total HOME	835	27	.68
Cognitive Stimulation	777	13	.65
Emotional Support	697	14	.61
Behavioral Problems Index (BPI)			
Total - Never in school	560	26	.89
Total - Ever in school	3081	28	.90
Antisocial - Never in school	560	4	.66
Antisocial - Ever in school	3165	6	.62
Anxious	3813	4	.69
Headstrong	3828	5	.76
Hyperactive	3826	5	.73
Dependent	3483	4	.68
Peer Conflict	3834	3	.60
Self-Perception Profile of Children (SPPC)			
Global Self-Worth	1621	6	.68
Scholastic Competence	1622	6	.68

Table 5.1 1986-1988 Cross-year Correlations: HOME, Emotional Support and Cognitive Stimulation (1988 Ages)

	HOME-88	EMOTIONAL SUPPORT-88	COGNITIVE SUPPORT-88
ALL CHILDREN			
HOME-86	.54*	.41*	.49*
EMOTIONAL SUPPORT-86	.39*	.38*	.28*
COGNITIVE STIMULATION-86	.48*	.30*	.49*
3-5 YEAR OLDS			
HOME-86	.52*	.40*	.46*
EMOTIONAL SUPPORT-86	.35*	.35*	.27*
COGNITIVE STIMULATION-86	.46*	.30*	.43*
6-9 YEAR OLDS			
HOME-86	.59*	.44*	.54*
EMOTIONAL SUPPORT-86	.41*	.40*	.31*
COGNITIVE STIMULATION-86	.52*	.33*	.55*
10+ YEAR OLDS			
HOME-86	.59*	.48*	.50*
EMOTIONAL SUPPORT-86	.46*	.49*	.29*
COGNITIVE STIMULATION-86	.49*	.30*	.53*

Note: * = significant at $p < .01$

Table 5.2 1986-1988 Cross-year Correlations: HOME Emotional Suppport (1986) * Behavior Problem Index and Associated Subscales (1988) (1988 Ages)

	BPI-88	ANTI-88	ANX-88	DEP-88	HYPER-88	HEAD-88	PEER-88
ALL CHILDREN							
EMOTIONAL SUPPORT-86	-.12*	-.15*	-.08*	-.08*	-.08*	-.07*	-.06*
4-6 YEAR OLDS							
EMOTIONAL SUPPORT-86	-.12*	-.15*	-.08*	-.08*	-.06*	-.09*	-.06*
7-9 YEAR OLDS							
EMOTIONAL SUPPORT-86	-.12*	-.17*	-.09*	-.06*	-.05*	-.05*	-.07*
10+ YEAR OLDS							
EMOTIONAL SUPPORT-86	-.11*	-.13*	-.07*	-.11*	-.06*	-.05*	-.05*

Notes: 1) * = significant at $p < .01$;
2) BPI = Behavior Problem Index percentile score; ANTI = Antisocial percentile score; ANX = Anxious/Depressed percentile score; DEP = Dependent percentile score; HYPER = Hyperactive percentile score; HEAD = Headstrong percentile score; PEER = Peer Conflict percentile score.

Table 5.3 1986-1988 Cross-year Correlations: HOME Cognitive Stimulation (1986) * Verbal Memory (1988) (1988 Ages)

	VERBAL MEMORY(A&B)-88	VERBAL MEMORY(C)-88
ALL CHILDREN		
HOME COGNITIVE STIMULATION-86	.16*	.09*
3-5 YEAR OLDS		
HOME COGNITIVE STIMULATION-86	.16*	.09*

Note: * = significant at $p < .01$

Table 5.4 1986-1988 Cross-year Correlations: HOME Cognitive Stimulation (1986) * Digit Span (1988) (1988 Ages)

	DIGIT SPAN-88
ALL CHILDREN	
HOME COGNITIVE STIMULATION-86	.16*
7-9 YEAR OLDS	
HOME COGNITIVE STIMULATION-86	.19*
10-11 YEAR OLDS	
HOME COGNITIVE STIMULATION-86	.09***

Note: * = significant at $p < .01$; *** = significant at $p < .1$

Table 5.5 198[illegible]8 Cross-year Correlations: HOME Cognitive Stimulation (1986) * PIAT Math, Reading Recognition and Reading Comprehension (1988) (1988 Ages)

	PIAT MATH-88	READING COMPREHENSION-88	READING RECOGNITION-88
ALL CHILDREN			
HOME COGNITIVE STIMULATION-86	.28*	.23*	.25*
5-9 YEAR OLDS			
HOME COGNITIVE STIMULATION-86	.30*	.27*	.27*
10+ YEAR OLDS			
HOME COGNITIVE STIMULATION-86	.21*	.17*	.16*

Note: * = significant at p < .01

Table 5.6 1986-1988 Cross-year Correlations: HOME Emotional Support (1986) * PIAT Math, Reading Recognition, and Reading Comprehension (1988) (1988 Ages)

	PIAT MATH-88	RECOGNITION-88	COMPREHENSION-88
ALL CHILDREN			
EMOTIONAL SUPPORT-86	.25*	.20*	.20*
5-6 YEAR OLDS			
EMOTIONAL SUPPORT-86	.25*	.13*	.12*
7-9 YEAR OLDS			
EMOTIONAL SUPPORT-86	.20*	.21*	.19*
10+ YEAR OLDS			
EMOTIONAL SUPPORT-86	.18*	.12*	.15*

Note: * = significant at $p < .01$;

Table 5.7 1986-1988 Cross-year Correlations: HOME Cognitive Stimulation (1986) * PPVT (1988) (1988 Ages)

	PPVT-88
ALL CHILDREN	
HOME COGNITIVE STIMULATION-86	.29*
10-11 YEAR OLDS	
HOME COGNITIVE STIMULATION-86	.30*

Note: * = significant at $p < .01$

Table 5.8 1986-1988 Cross-year Correlations: Temperament Compliance, Insecure Attachment and Sociability (1986) * Behavior Problems Index and Associated Subscales (1988) (1988 Ages)

	BPI-88	ANTI-88	ANX-88	DEP-88	HYPER-88	HEAD-88	PEER-88
TEMPERAMENT: COMPLIANCE-86	-.12*	-.09*	-.10*	-.09*	-.10*	-.08*	-.07*
TEMPERAMENT: INSECURE ATTACHMENT-86	.11*	.04*	.11*	.05*	.08*	.16*	.08*
TEMPERAMENT: SOCIABILITY-86	-.06*	-.07*	-.02	-.05*	-.06*	-.06*	-.10*

Notes: 1) * = significant at p < .01;
2) BPI = Behavior Problem Index percentile score; ANTI = Antisocial percentile score; ANX = Anxious/Depressed percentile score; DEP = Dependent percentile score; HYPER = Hyperactive percentile score; HEAD = Headstrong percentile score; PEER = Peer Conflict percentile score.

Table 5.9 1986-1988 Crossyear Correlations: Motor and Social Development (1986) * Behavior Problems Index (1988) and PPVT (1988)

	BEHAVIOR PROBLEMS-88	PPVT-88
MOTOR/SOCIAL DEVELOPMENT-86	-.14*	.18*

Note: * = significant at p < .01

Table 5.10 1986-1988 Cross-year Correlations: Behavior Problems Index and Associated Subscales (1988 Ages)

	BPI-88	ANTI-88	ANX-88	DEP-88	HYPER-88	HEAD-88	PEER-88
ALL CHILDREN							
BPI-86	.54*	.37*	.41*	.33*	.43*	.45*	.31*
ANTI-86	.39*	.42*	.25*	.17*	.28*	.33*	.24*
ANX-86	.38*	.23*	.41*	.23*	.28*	.32*	.23*
DEP-86	.31*	.14*	.24*	.37*	.23*	.23*	.16*
HYPER-86	.43*	.28*	.28*	.25*	.49*	.32*	.23*
HEAD-86	.43*	.29*	.33*	.22*	.32*	.46*	.23*
PEER-86	.29*	.26*	.21*	.16*	.21*	.21*	.32*
6-9 YEAR OLDS							
BPI-86	.53*	.37*	.38*	.33*	.41*	.44*	.30*
ANTI-86	.36*	.42*	.23*	.15*	.26*	.30*	.23*
ANX-86	.37*	.23*	.39*	.23*	.24*	.30*	.23*
DEP-86	.31*	.14*	.21*	.37*	.20*	.21*	.13*
HYPER-86	.42*	.28*	.24*	.24*	.47*	.31*	.23*
HEAD-86	.42*	.27*	.31*	.22*	.31*	.46*	.21*
PEER-86	.26*	.23*	.17*	.15*	.17*	.18*	.29*
10+ YEAR OLDS							
BPI-86	.56*	.36*	.45*	.36*	.48*	.47*	.33*
ANTI-86	.43*	.42*	.28*	.21*	.33*	.36*	.25*
ANX-86	.41*	.22*	.44*	.24*	.34*	.35*	.24*
DEP-86	.33*	.13*	.31*	.39*	.29*	.26*	.22*
HYPER-86	.47*	.30*	.36*	.32*	.52*	.35*	.23*
HEAD-86	.46*	.30*	.36*	.24*	.36*	.45*	.26*
PEER-86	.35*	.31*	.28*	.22*	.29*	.28*	.38*

Notes: 1) * = significant at $p < .01$;
2) BPI = Behavior Problem Index percentile score; ANTI = Antisocial percentile score; ANX = Anxious/Depressed percentile score; DEP = Dependent percentile score; HYPER = Hyperactive percentile score; HEAD = Headstrong percentile score; PEER = Peer Conflict percentile score.

Table 5.11 1986-1988 Cross-year Correlations: Memory for Location and Body Parts (1986) * Verbal Memory (1988)

	VERBAL MEMORY(A&B)-88	VERBAL MEMORY(C)-88	PPVT-88
MEMORY FOR LOCATION-86	.06***	.03	.13*
BODY PARTS-86	.10*	.07**	.21*

Notes: 1) * = significant at p < .01; ** = significant at p < .05; *** = significant at p < .1

Table 5.12 1986-1988 Cross-year Correlations: Verbal Memory (1986) * Digit Span: Total, Forward and Backward (1988) (1988 Ages)

	DIGIT SPAN: TOTAL-88	DIGIT SPAN:FORWARD-88	DIGIT SPAN: BACKWARD-88
7-9 YEAR OLDS			
VERBAL MEMORY(A&B)-86	.45*	.27*	.44*
VERBAL MEMORY(C)-86	.19*	.09*	.20*

Note: * = significant at p < .01

Table 5.13 1986-1988 Cross-year Correlations: Verbal Memory (1986) * PIAT Reading Recognition/Comprehension (1988) (1988 Ages)

	READING COMPREHENSION-88	READING RECOGNITION-88
ALL CHILDREN		
VERBAL MEMORY(A&B)-86	.30*	.31*
VERBAL MEMORY(C)-86	.17*	.16*
5-6 YEAR OLDS		
VERBAL MEMORY(A&B)-86	.31*	.27*
VERBAL MEMORY(C)-86	.13*	.18*
7+ YEAR OLDS		
READING RECOGNITION-86	.30*	.31*
VERBAL MEMORY(C)-86	.16*	.15*

Note: * = significant at $p < .01$

Table 5.14 1986-1988 Cross-year Correlations: SPPC Global Self-Worth and SPPC Scholastic Competence (1988 Ages)

	SPPCG-88	SPPCS-88
ALL CHILDREN		
SPPCG-86	.29*	.14*
SPPCS-86	.18*	.37*
10 YEAR OLDS		
SPPCG-86	.30*	.22*
SPPCS-86	.18*	.34*
11 YEAR OLDS		
SPPCG-86	.32*	.11*
SPPCS-86	.22*	.40*
12+ YEAR OLDS		
SPPCG-86	.26*	.13*
SPPCS-86	.15*	.35*

Note: * = significant at $p < .01$

Table 5.15 1986-1988 Cross-year Correlations: Digit Span (1986) * PIAT Math, PIAT Reading Recognition, PIAT Reading Comprehension and PVT (1988) (1988 Ages)

	PIAT MATH-88	PIAT READING RECOGNITION	PIAT READING COMPREHENSION	PPVT
ALL CHILDREN				
DIGIT SPAN (TOTAL)-86	.31*	.31*	.31*	.27*
DIGIT SPAN (FORWARD)-86	.20*	.25*	.24*	.22*
DIGIT SPAN (BACKWARD)-86	.34*	.26*	.28*	.22*
9 YEAR OLDS				
DIGIT SPAN (TOTAL)-86	.41*	.49*	.43*	.27*
DIGIT SPAN (FORWARD)-86	.32*	.45*	.34*	.11
DIGIT SPAN (BACKWARD)-86	.40*	.42*	.43*	.41*
10 YEAR OLDS				
DIGIT SPAN (TOTAL)-86	.35*	.29*	.29*	.28*
DIGIT SPAN (FORWARD)-86	.19*	.14**	.18*	.20*
DIGIT SPAN (BACKWARD)-86	.40*	.33*	.30*	.24*
11+ YEAR OLDS				
DIGIT SPAN (TOTAL)-86	.32*	.35*	.37*	.27*
DIGIT SPAN (FORWARD)-86	.21*	.31*	.29*	.26*
DIGIT SPAN (BACKWARD)-86	.34*	.27*	.32*	.20*

Notes: 1) * = significant at $p < .01$; ** = significant at $p < .05$

Table 5.16 1986-1988 Cross-year Correlations: PIAT Math, PIAT Reading Recognition, and PIAT Reading Comprehension (1988 Ages)

	PIAT MATH-88	READING RECOGNITION-88	READING COMPREHENSION-88
ALL CHILDREN			
PIAT MATH-86	.55*	.50*	.46*
READING RECOGNITION-86	.49*	.66*	.58*
READING COMPREHENSION-86	.47*	.63*	.60*
7-9 YEAR OLDS			
PIAT MATH-86	.52*	.47*	.43*
READING RECOGNITION-86	.42*	.53*	.49*
READING COMPREHENSION-86	.36*	.50*	.49*
10+ YEAR OLDS			
PIAT MATH-86	.60*	.54*	.52*
READING RECOGNITION-86	.57*	.80*	.66*
READING COMPREHENSION-86	.53*	.66*	.61*

Notes: 1) * = significant at $p < .01$

Table 5.17 1986-1988 Cross-year Correlations: PPVT (1986) * PPVT, PIAT Math, Reading Recognition, and Reading Comprehension (1988) (1988 Ages)

	PPVT-88	MATH-88	RECOGNITION-88	COMPREHENSION-88
ALL CHILDREN				
PPVT-86	64*	.44*	.40*	.41*
5-6 YEAR OLDS				
PPVT-86	----	.43*	.32*	.20*
7-9 YEAR OLDS				
PPVT-86	----	.43*	.39*	.40*
10+ YEAR OLDS				
PPVT-86	.75*	.48*	.49*	.51*

Note: * = significant at $p < .01$